ANALYSIS OF CREDIT RISK MANAGEMENT PRACTICES, INFLATION RATE
AND FINANCIAL PERFORMANCE OF DEPOSIT TAKING SAVINGS AND CREDIT
COOPERATIVE SOCIETIES (SACCOs) IN KENYA

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A RESEARCH THESIS SUBMITTED THE SCHOOL OF POST-GRADUATE STUDIES IN PARTIAL FULLFILLMENT OF THE CONFERMENT OF DEGREE OF DOCTOR OF PHILOSOPHY DEPARTMENT OF ACCOUNTING AND FINANCE (FINANCE OPTION) OF KISII UNIVERSITY

FEBRUARY, 2024

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ABSTRACT

The deposit taking SACCOs (DTS) play a vital role in the socioeconomic advancement of countries as they largely use authority they have over the movement of cash from surplus sources to those who need the funds through financial intermediation. However, it has been observed that the daily activities of Deposit taking SACCOs are faced with challenges. The financial performance of Deposit taking SACCOs in terms of return on asset in Kenya has been declining from the year 2016 to 2020. The main objective of the study was to determine the effect of credit risk management practices on financial performance of Deposit taking SACCOs. A moderating role of inflation rates. The specific objectives of the study were; to establish the effect of solvency on financial performance of deposit taking SACCOs, to establish the effect of liquidity on financial performance of deposit taking SACCOs, to establish effect of leverage on financial performance of Deposit taking SACCOs, to establish the effect of capital adequacy on financial performance of Deposit taking SACCOs and To find out the moderating effect of inflation rate on the relationship between credit risk management practices on financial performance of Deposit taking SACCOs in Kenya The study was guided by three theories, namely; Agency Theory, the Shift Ability Theory, and Pecking Order Theory. This study adopted cross sectional research design. The target population was 164 Deposit Taking SACCOs that operated from 2016 to 2020. The sample size was 61 Deposit Taking SACCOs in Kenya which are registered under SASRA. The study adopted stratified random sampling technique. The study employed the use of secondary data which was collected from the published annual financial statements of the Deposit taking SACCOs. Data was analyzed using descriptive statistics and inferential statistics. Descriptive statistics involved mean, standard deviation, minimum and maximum. Inferential statistics included correlation analysis, panel regression data. The study identified that; solvency had strong positive and highly significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. The study concluded that, leverage had a weak, positive and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS). The study recommended that, SACCO should sale more equity to new shareholders, convert debtors into equity holders. This would increase available capital for investments, which in return would enhance their financial performance. Further, the study recommended that, Deposit taking SACCOs in Kenya to reduce holding too much capital idle as this would reduce their profitability significantly.

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LIST OF ABBREVIATIONS AND ACRONYMS

ANOVA analysis such as Analysis of Variance

CAR Capital Asset Ratio

CBK Central Bank of Kenya

CPI Consumer price index

DTS Deposit Taking SACCOs

EBIT earnings before interest and tax

FMMP flexible Minimum Monetary Policy

FP Financial performance

GDP Gross domestic performance

IMF International monetary fund

KSE Karachi Stock Exchange

LLP Loan Loss Provision

LLP Loan Loss Provision

LTDTA long-term debt to total assets

NIM Net Interest Margin

NPL Non-Performing Loan

NPM net profit margin

NSE Nairobi Securities Exchange

PM Profit margin

ROA Return on assets

ROE Return on Equity

ROI Return on Investment

SACCOs Savings and Credit Cooperative Societies

SASRA Sacco and saving regulatory authority

STDTA short-term debt to total assets

TA Total Assets

TCD Total Customers' Deposit

TDE Total debt to equity

CHAPTER ONE

INTRODUCTION

1.1 Background of the Study

The deposit taking Saccos (DTS) assume vital role in the socioeconomic advancement of countries as they largely use authority they have over the movement of cash from surplus sources to those who need the funds through financial intermediation. DTS are also very important in stimulating profitability by making investment a possibility. The degree to which a deposit taking savings and credit cooperative society (DTS) is able to accomplish its policies, financial goals, and non-financial goals is known as its financial performance (Gweyi & Karanja, 2014).

A SACCO's management can determine if it is running at break-even by looking at the financial performance of its deposit-taking DTS. A DTS that performs well attracts new members, which leads to an increase in deposits. Therefore, measuring financial performance is essential for effective business management (Aziidah, 2017). Rachdi (2013). The administration of SACCOs should work to improve financial performance in order to maximize the advantages to members. The ongoing expansion of DTS's profitability and performance also guarantees that investors continued to get rewards, which promotes additional investment.

1.1.1 Credit Risk management

According to Hays, Stephen and Arthur (2012), credit risk management practices in the United States is defined as the identification, measurement, monitoring, and control of risk arising from the potential for loan repayment default. Credit extended to borrowers may be at risk of default, so while SACCOs extend credit with the understanding that borrowers would repay their loan, some borrowers typically default and as a result, SACCOs experience a decrease in income due to the need to make provisions for such defaults. Earnings vary, exposing deposit-taking SACCOs to an additional risk of variability in their profits where there is no indication

of what percentage of their borrowers would default. Every financial institution takes on some risk when it lends money to individuals and businesses, and as a result, some loan losses do occur when certain borrowers don't pay back their loans on time. The primary source of loss for SACCOs is the potential for non-repayment of principal, interest, or both, as well as non-realization of securities on the loans.

Kabir and Dey (2017) states that, credit risks management arise form routine functions of financial institutions in Bangladesh SACCOs. Some of the major functions of the SACCOs are to accept deposits from customers and also lend loans to the deserving and qualifying citizens. SACCOs use credit advancement to individuals, groups and organizations as a source of income through the interest paid on these loans.

Olweny and Shipo (2017), opined that, credit risk management in Kenya is the most expensive risk in any financial institution and poses a substantial influence relative to any other risk because it acts as a threat directly to the solvency of the financial institutions. The major places where credit risk can occur include limited capacity of the SACCOs, quick rates of rates, undefined credit policies, mismanagement, and poor liquidity, unreserved laws, poor lending practices, interface from the government and inadequate supervision by the central bank.

1.1.2 Solvency

Solvency, according to Acharya Gale and Yorulmazer (2010), ensures that deposit-taking SACCOs would fulfill their obligations in the event of a suspension of operations or liquidation in the USA. It speaks to a SACCO's capacity to meet long-term liabilities and its long-term financial stability. If the entire assets surpass the total liabilities, a deposit-taking SACCO is deemed solvent. The SACCOs suffer an insolvency risk and are deemed technically insolvent if total assets fall short of total obligations.

A SACCO's capacity to satisfy its short-, middle-, and long-term financial commitments is known as "solvency." In Nigeria, a SACCO is said to be solvent if its current assets and total

liabilities are equal. However, the SACCOs face an insolvency risk and won't be able to pay its debts if total assets are less than current liabilities (Ogege 2012).

The connection between borrowed funds and owner's funds is determined by solvency. The whole assets, operations, and financial expansion of the SACCO in Kenya were all funded by debt and common stock. Solvency ratios are used to gauge a SACCO's capacity to pay down its long-term obligations. Additionally, the solvency ratio offers a prediction of the possibility that a SACCO would keep consolidating its debt commitments (Kaigu & Theuri 2019).

1.1.3 Liquidity

Liquidity can be defined as the ability of SACCOs to honor their financial obligations as and when they come due with a reasonable cost. The ability of the financial institutions to fund asset growth and also to fund the expected and unexpected cash and collateral demands as they rise is dangerous to ongoing viability. A well-organized management of risk related liquidity empowers SACCOs to meet their financial obligations and reduce their likelihood of an adverse situation developing (Khaldum &Muda 2014).

Liquidity in India enhances profitability in the sense that it may make an organization unable to meet the short-term liabilities and this may affect its operations and its reputation too. Besides, insufficient cash or liquid assets can also make an organization to miss those enticements given by the suppliers of credit, services and goods. The loss of such enticements may be hazardous in the sense that it may bring on board higher cost of goods which in turn affect the profitability of the business (Kothari 2018).

Liquidity promotes financial performance of SACCOs in Sierra Leone, when SACCOs fail to check their liquidity, they are likely to fail to meet not only their financial obligations but also their customers' demands which may subsequently negatively influence their financial systems. It is therefore paramount that managers come up with a culture of sound liquidity

management so as not only better their ROA but also to absorb any shocks that might crop up in their financial system (Laminforady, 2018).

1.1.4 Leverage

Leverage is important among the financial institutions in the United States. This is because the interest expense for debt is tax deductible in the United States has led to high leverage level aimed at creating a larger tax benefit for corporate income. However, this higher leverage is also counterproductive to firm because debt comes with a heavier burden to repay its debt since it would have to be repaid with some interest. This may eventually bring on board default risk on the part of the firm Kang, (2011).

Leverage has been adopted by many SACCOs in Nigeria. However, SACCOs should be careful when using debt because it comes with a cost in form of interest which must be paid periodically. Moreover, too much use of debt also makes the SACCOs to be vulnerable to financial distress costs and this might negatively affect the SACCOs' financial performance (Idada et. al, 2018).

The leverage has a significant impact on the SACCOs operating in Kenya. This has been explained by the fact that SACCOs that rely more heavily on debt produce lower profits than those that rely more heavily on equity. As financial performance declines, dividend payments and liquidity management do as well. This means that if organizations need to rely on less expensive sources of funding to prevent running out of money to pay back loans, they should raise the value of SACCOs so that shareholders can invest their profits instead of requesting dividends (Aziidah, 2017).

1.1.5 Capital adequacy

Capital adequacy in Sri Lanka is one of the main factors in reducing SACCOs risks. SACCOs take cash from the depositors to provide facilities for them. In a case where some borrowers

are unable or unwilling to repay their loans, the only source that SACCOs can rely on it is SACCOs capital. Therefore, a cautious relationship should be existed between SACCOs capital. A SACCOs that holds more capital can be easily survived in difficult economic conditions. By reducing the capital adequacy ratio, a SACCOs increases its level of and this was costly to the bank since it was forced to rely more on foreign financial resources. Besides, low financial adequacy ratio is likely to increase the SACCOs cash costs and thus reducing their profitability of SACCOs (Shafana, 2015).

Capital adequacy is vital in any financial institution in Ethiopia because it acts as a measurement of the institution's strength or ability in terms of financial matters, shows the SACCO's willingness and capacity to endure irregular and operational misfortunes. Further, a financial institution in the Philippines can also use capital adequacy demonstrates the company's capability to embrace extra or additional businesses and also because it gauges the SACCOs' capacity to adequately adapt to risks and liquidation (Sambasivan & Biruk, 2013).

Capital adequacy represents how much funds SACCOs in Kenya hold and with which they can be able to extend credit to customers. These funds are normally gotten in form of customer deposits and also from borrowing from SACCOs (Mwangi, 2014).

1.1.6 Inflation Rate

Inflation rate is a rise in the economy's overall level of prices for goods and services over time in Jordan. It may be summed up as chasing too many unattainable goals. Units of cash are used to purchase fewer goods and services when the general price level rises. In turn, this results in a loss of real value in the currency used as a means of exchange and a unit of account within the economy, which is represented by inflation. The yearly percentage change in a general price index (often the Consumer Price Index) over time is known as the inflation rate, and it is a key indicator of price inflation (Imane, 2014).

Inflation rate is defined as a sustained or continuous rise in the general price level or continuous fall in the value of money in Nigeria. A sustained increase in the general profitability in the SACCOs over period of time reflects a reduction in the credit risk. Borrowers are known to take loans from several financiers without disclosing this information to lenders. Cross borrowing is also a phenomenon in SACCOs. Most SACCOs have their profits diluted by non-performing loans whose cause is attributed to cost push inflation (Baba & Nasieku, 2016).

The yearly growth rate of the consumer price index, which is used to gauge inflation, has a negative impact on the efficiency of SACCOs since it tends to drive up costs and lower cost effectiveness in Kenya. As a sign of an inflationary state and a probable cause of SACCOs' pricing (high interest margin) behavior inefficiencies, the rate of inflation makes SACCOs more susceptible to the nominal values of loans made to clients. The so-called friction in credit risk, which is more severe in SACCOs, is made worse by inflation rate, which has a significant impact on the economics of these cooperatives (Omari, & Ogika, 2020).

1.1.7 Financial performances

A SACCO's financial success is a subjective indicator of how effectively it can employ resources from its main line of business to create income in USA. Financial performance is a crucial component of managing financial risk and refers to the extent to which financial objectives are being or have been achieved. It is the process of evaluating the financial impact of a SACCO's activities and policies. It may be used to aggregate comparable SACCOs in the same industries and assess the overall financial health of SACCOs over a specific time period (Brealey et. Al, 2016).

The most popular metrics for assessing financial performance in China, according to Haung and Song (2016), are the profitability ratio, liquidity ratio, leverage, and efficiency ratio. Direct computation of the ratios using financial statement data is possible. To construct ratios for financial statement analysis, components from the income and balance sheets are used. These

ratios are used to evaluate a company's capacity to create profits in relation to all of its expenses and other pertinent charges during a given time period.

One indicator of financial performance, according to SASRA (2017), shouldn't be consumed by itself. Instead, as there are several variables that affect how well an organization performs, a complete evaluation of its performance should take a variety of metrics into account. Based on financial data and information taken from audited financial statements and reports, SACCO subsector performance is evaluated. Before being presented to members at the annual general meeting, a SACCO's audited finances must be registered with the commissioner of cooperative development.

1.2 Statement of the Problem

Deposit taking SACCOs play a vital role in the re-distribution of economic resource from who have it. Application of solvency, liquidity, leverage, capital adequacy moderated by inflation rates to manage credit risks leads to enhanced Deposit taking SACCOs' financial performance deposit taking SACCOs in Kenya. When credit risk is managed appropriately then it leads increased financial performance for the SACCOs. Financial performance of Deposit taking SACCOs is important since the soundness of Deposit taking SACCOs sector is closely connected to the soundness of the whole economy, the financial strength of Deposit taking SACCOs is unquestionably associated to its financial performance, thus, that most important need of any Deposit taking SACCOs improve financial performance.

The financial performance of some Deposit Taking SACCOs in Kenya has been declining in Return on asset from the year 2016 to the 2020. The profit after tax in 2016 was 14.32%, 2017 was 13.68%, 2018 was 13.07%, 2019 was 12.98% and 2020 was 11.19%. Such a declining trend is a worrying issue since the primarily aim of any business is to increase profit (SASRA 2020).

Although some studies have been done in Kenya, there is little that has been documented to disclose the link between solvency, liquidity, leverage and capital adequacy onone hand and financial performance on the other. For instance, Kamoyo (2016) determinants the effect of solvency on financial performance of deposit taking SACCOs in Kenya, with bias on multiple regression analysis as the study variables. This study did not involve any of the study statistics analysis (Correlation and panel regression model analysis) that the current study seeks to address. Mishra & Pradhan (2015) Impact of liquidity management on profitability among the private sector SACCOs of India. Although the study also used inferential statistics analysis, it failed to look at descriptive statistics analysis. Besides, its findings cannot be used to generalize about Deposit taking SACCOs since it was done in micro finance institutions whose mode of regulation and operation is distinct from those of commercial banks. Khalifa Tailab (2012) evaluate the effect of capital adequacy on financial performance of SACCOs in America. Quasi experimental research design. The study did not focus on the cross sectional used in the current study. It is therefore evident that not much has been documented in this area, hence the reason why this study is being undertaken so as to fill the gap. Inflation raises interest rates. Higher interest rates provide more opportunity for Deposit taking SACCOs to generate profits. The important aspect is to keep both in balance. Hence it was important to study the effects of inflation of ROA, ROE and Net profit to know the financial performance of the Deposit taking SACCOs.

1.3 Objectives of the study

1.3.1 General Objective

The main objective of the study was to determine the effect of credit risk management practices on financial performance of Deposit taking SACCOs in Kenya, moderated by inflation rate.

1.3.2 Specific Objectives

The specific objectives of the study were;

- To find out the effect of solvency ratio on financial performance of Deposit taking SACCOs in Kenya.
- To determine the effect of liquidity on financial performance of Deposit taking SACCOs in Kenya.
- iii. To determine the effect of leverage on financial performance of Deposit taking SACCOs in Kenya.
- iv. To find out the effect of capital adequacy on financial performance of Deposit taking ACCOs in Kenya.
- v. To find out the moderating effect of inflation rate on the relationship between credit risk management practices on financial performance of Deposit taking SACCOs in Kenya
- v a) To determine the moderating effect of inflation rate on the relationship between solvency ratio and financial performance of Deposit taking SACCOs in Kenya.
- v b) To determine the moderating effect of inflation on the relationship between liquidity and financial performance of Deposit taking SACCOs in Kenya.
- v c) To find out the moderating effect of inflation rate on the relationship between leverage and financial performance of Deposit taking SACCOs in Kenya.
- v d) To find out the moderating effect of inflation rate on the relationship between capital adequacy and financial performance of Deposit taking SACCOs in Kenya.

1.4 Research Hypotheses

The study was guided by the following hypotheses:

- $\mathbf{H_{01}}$: Solvency has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya.
- H₀₂: Liquidity has no statistically significant effect on financial performance of DepositTaking SACCOs in Kenya.

H₀₃: Leverage has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya.

H₀₄: Capital adequacy has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya.

H₀₅: Inflation rate has no moderating effect on the relationship between credit risk practices on financial performance of Deposit Taking SACCOs in Kenya

 H_{05a} : Inflation rate has no statistically significant moderating effect on the relationship between Solvency and financial performance of Deposit Taking SACCOs in Kenya.

H_{05b}: Inflation rate has no statistically significant moderating effect on the relationship between liquidity and financial performance of Deposit Taking SACCOs in Kenya.

H_{05c}: Inflation rate has no statistically significant moderating effect on the relationship between leverage and financial performance of Deposit Taking SACCOs in Kenya.

 H_{05d} : Inflation rate has no statistically significant moderating effect on the relationship between capital adequacy and financial performance of Deposit Taking SACCOs in Kenya.

1.5 Significance of the Study

The findings of the study will also help Deposit taking SACCOs in Kenya will know how solvency, liquidity, leverage and capital adequacy affect the financial performance of the Deposit taking SACCOs, and whether inflation (which the Deposit taking SACCOs in Kenya. Stakeholders like the shareholders to know how these four aspects of credit risk (solvency, liquidity, leverage, capital adequacy) influence financial of the Deposit taking SACCOs in Kenya.

Future researchers will gain by referring to the finding in this study. In addition to contributing to the body of academician knowledge, the research will also help and encourage continuity as

far as doing further research is concerned. The government will gain through increase in revenues in the event that financial performance of Deposit taking SACCOs will improve.

1.6 Scope of the Study

Although there are many aspects of credit management practices this study would only concentrate on four practices, namely, solvency, liquidity, leverage and capital adequacy. Most studies have indicated that these four are the most important and common management practices of deposit taking SACCOs. The study covered sample size of 61 of Deposit taking SACCOs in Kenya and it ran for a period of five years from 2016 to 2020. This period was suitable because it carries required indicators relevant for this study. This study adopted cross sectional and descriptive research designs because they enabled the researcher to collect data across various firms and provide clarity on the state of things in those firms.

1.7 Limitations of the Study

The major limitation of the study was inadequacy of published annual reports for most of the SACCOs studied. The researcher wrote and requested audited data from SASRA. Additionally, the study was limited to SACCOs in Kenya consequently; its findings may not apply to other financial or non-financial institutions in Kenya.

1.8 Assumptions of the Study

The study heavily relied on secondary data therefore, it was assumed that the published reports were accurate and unbiased, it also assumed that data for all the Deposit taking SACCOs in Kenya over the period of study was available at all time and not a single deposit taking SACCOs was liquidated, merged or put under receivership over the period of study.

1.9 Operational Definition of Term

Capital adequacy is one of the main factors in reducing Deposit taking SACCOs risks. Deposit taking SACCOs take cash from

the depositors to provide facilities for them.

Credit risk management Is defined as identification, measurement, monitoring and practices control of risk arising from the possibility of default in the loan repayment. Credit risk management practice for example: Solvency, Liquidity, leverage and capital adequacy. Financial performance Financial performance is a measure of how well a firm uses assets from its primary mode of business to generate revenues. Inflation rate Inflation rate is an increase in the general price level of goods and services in the economy over a period of time. It can be defined as too much chasing too few goods - Consumers Price Index Solvency Solvency is the ability of a deposit taking SACCOs to meet its obligation in the event of cessation of activity or liquidation. It refers to a Deposit taking SACCO's long run financial viability and its liability cover long-term obligations. Leverage Leverage is beneficial during times when the Deposit taking SACCO is earning profits as they become amplified. Liquidity Liquidity can be defined as the ability of Deposit taking

come due with a reasonable cost.

SACCOs to honor their financial obligations as and when they

CHAPTER TWO

LITERATURE REVIEW

2.1 Theoretical Literature

2.1.1 Agency Theory

Jensen and Mecking created this idea in 1976. The idea seeks to clarify the connection between the two parties known as principals and agents. According to the idea, agency relationships are agreements in which one or more principals engage a third party (an agent) to carry out a variety of tasks on their behalf and transfer some decision-making authority to the agent (Solikhah et. al, 2020). This idea states that there is an information gap that causes information asymmetry, where one party (often the agent) appears to have more information than the other. This theory implies that one of the deciding criteria in the selection of accounting procedures is the knowledge asymmetry between agent and principal. Siregar and Farahmita (2012) contend that this information asymmetry forces management to select accounting techniques that can aid in conveying to the market the true value of the market.

The Agency hypothesis is predicated on the idea that everyone strives to their greatest advantage. In other words, the more information asymmetry there is, the more probable the agent would act in an opportunistic manner (Andrijasevic & Pasic, 2018). The paper claims that two fundamental strategies might function as a check on opportunism: control and contractually obliging the agent.

The fundamental drawback of this hypothesis is that, after the venture capital agrees to invest in the new firm, its explanatory power is reduced for three reasons. The objectives of the venture capital and the entrepreneur are the cause things would probably align, which would help to mitigate the possible agency issue. It's possible that the venture capital switches from being a skeptical investor to an eager partner after opting to invest in the new business. The original founder still holds a sizable legal ownership stake in the business, albeit at a smaller

percentage, and continues to make significant, personally relevant investments in it (Moore, 2015).

This theory has been criticized for concentrating only on two stakeholders: the agents and the principals. According to the critics, it's not prudent for a healthy for a corporation to focus on merely two stakeholders and neglect all the other stakeholders that also play key roles in the organization (Cuevas *et. Al*, 2012).

This theory was deemed fit and is relevant to this study because it was used to explain the relationship between solvency and financial performance of deposit taking SACCOs in Kenya. Deposit taking SACCOs borrows funds form external sources to fund its operational. Credit payment is done according to various priorities set with the Deposit taking SACCOs. Top management of Deposit taking SACCOs may sometimes violate the agreed manner of debt settlement. Such violation causes conflicts between Deposit taking SACCO management and creditors. This theory informs objective one of this study.

2.1.2 Shift Ability Theory

This theory was coined by Moulton in 1918. According to the theory, liquidity of an institution is preserved only if the institution holds those assets which can easily be sold or those assets which could easily be converted to other investments in exchange for cash. In the Deposit taking Saccos' scenario, it means that Deposit taking Saccos can maintain a high level of liquidity only if they ensure they maintain assets which are easily saleable. This means that Deposit taking Saccos should ensure they hold those securities that are highly marketable or those that can easily be sold for this assures them of liquidity (Mudanya & Muturi, 2018).

Shift ability theory came with some strong assumptions that the assets are divisible to trading activities taking place regularly in the period with no control of short-term asset sales by borrowing and lending possible at the same interest. This includes every investor which can

hold assets which could easily be converted to other investment in exchange for cash. This theory has major assumptions, that there exist securities that are highly marketable or easily to be sold such that investors may save or unlimited amounts at the risk-free rate, and perfectly divisible assets (Wahyudi et. Al, 2019).

There are several limitations associated with Shift ability theory. It does not provide liquidity to the deposit taking SACCOs and it completely relies on the economic conditions, this theory neglects acute depression, the shares and debentures cannot be shifted to others by the Deposit taking SACCOs and a single Deposit taking SACCOs may have shift able assets in sufficient quantities but if it tries to sell them when there is a run on the Deposit taking SACCOs, it may adversely affect the entire deposit taking SACCOs.

The major criticism of this theory is that it does not consider the fact that in times of cute crisis, it becomes difficult to shit assets to others in the event where financial institutions simultaneously shift their financial assets and hence it is likely to adversely affect both the providers of credit and the users of the credit (Laminfoday, 2018).

This theory is relevant in this study because it was used to explain the relationship between liquidity and financial performance of deposit taking SACCOs in Kenya. Deposit taking SACCOs 'liquidity worthiness determines whether it's able to pay its obligations as it falls due. Deposit taking SACCOS holds such assets that they easily convert to cash to pay its obligations. This theory informs objective two of this study.

2.1.3 Pecking Order Theory

This theory was coined by Stewart C. Myers in 1984. The theory opines that when a firm is in need of additional capital, it prioritizes its sources of financing by utilizing the internal sources before resulting into external sources of financing. That is, the firm utilizes internal sources to finance itself but if the sources are exhausted before it quenches its financial need, it seeks the

additional funding from debts and lastly from external equity if need be (Nyanamba, 2018). This theory maintains that business adhere to a hierarchy of financing when available, and debt is preferred over equity if external financing is required (Kiragu, 2010).

This theory is pegged on the assumptions that the cost of internal financing is less than the cost of external financing at all times. Internal financing is the use of retained profits while external financing is the use of borrowed funds. Retained profits are profit the control of management but external funds is not the control of management. The theory assumes that internal and external financing are available at any time. The theory assumes that internal financing is subject to firm's control and that the availability of external financing is not guaranteed at all times (Eldomiaty, *et. al*, 2017).

The Pecking Order Theory has two limitations: That the theory does not consider the influence of taxes, agency cost, the cost of issuing new securities, financial distress of the investment opportunities. The theory ignores the fact that there are problems associated with the decisions of financial managers to accumulate so much financial slack that they become protected to market discipline (Butt *et. al*, 2013).

This theory has been criticized for clinging on a very simple setting where the firm's only financing choice is debt versus equity, ignoring more complicating settings, for example when the firm also chooses between straight and convertible debt (Caselli & Negri, 2018).

This theory is relevant for this study as it was used to explain the relationship between solvency, liquidity, leverage and capital adequacy on financial performance of deposit taking SACCOS in Kenya. Before SACCOs extend credit facility to its customers, it evaluates it available capital. Available capital determines whether or n the SACCOs can meet customers' requirements. SACCOs raise funds form internal sources fully before going for external sources. Collectively funds from internal sources and external sources determines objective

four on capital adequacy in a SACCOs. This theory informs all the four objectives and therefor it is the main theory of this study.

2.2 Empirical Review

2.2.1 Solvency and financial performance

Bourke (2013) determine the connection between bank profitability and solvency for 90 banks in Europe, A multiple regression model was employed in the study to examine performance from 2005 to 2009. Profit margin (PM) and return on assets were used to assess performance, and long-term debt to total assets (LTDTA), short-term debt to total assets (STDTA), and total debt to equity were used to assess solvency (TDE). The study found that ROA and PM had a negligible negative relationship with STDA and LTDTA. In contrast to its unfavorable and negative association with PM, the TDE was discovered to have a good link with ROE. Thus, the study's conclusion that solvency was not a significant factor in determining the firm's success was reached. The research was pertinent to this study's research since it offers a framework for evaluating performance. Descriptive and correlation analyses, which are useful for determining how closely related variables are, were not used. The current study addresses the gaps by using up to date data and adopting descriptive and correlation analysis.

Graham and Brodeleau (2013), conducted research on the effect of solvency on the financial performance of financial institutions in Canada. The purpose of the study was to determine how financial institution performance that is listed on the Canadian Securities Exchange is impacted by solvency. The study used a descriptive research design, and secondary data was taken from 19 financial institutions' balance sheets, income statements, and notes on the Canada Securities Exchange for the years 2010 to 2014. According to the findings, solvency was a reliable indicator of financial performance. The current study uses sample size of 61 which inferences to the larger population.

Abera (2014) investigated how solvency affected the banking sector's profitability in Ethiopia. This study used a mixed methods research strategy, including documentary analysis and indepth interviews, to analyze the solvency determinants impacting bank profitability for a total of eight commercial banks in Ethiopia for the years 2000–2011. The study found that bank solvency was one of the key factors influencing Ethiopian banks' profitability, despite the regression analysis' conclusions to the contrary. The study came to the conclusion that further research is needed to clarify the effect of Ethiopian banks' solvency on their performance. Regarding the methodology employed in the analysis, there is a need to utilities more inferential analysis such as Analysis of Variance (ANOVA) and regression. The study incorporated inferential analysis tools such as (correlation, simple and multiple regression) in the current study to enhance generalizations and conclusions.

Laertey et. al, (2014) examined the solvency and financial performance of banks listed on the Ghana Stock Exchange. The study used a target population of 9 commercial banks listed on the Ghana Stock Exchange and a sample of 7 banks to attempt to characterize the link between the solvency and financial performance of banks on the Ghana Stock Exchange. Correlation analysis was employed in the study. The approach of purposeful sampling was adopted. In conclusion, between 2005 and 2010, listed banks' levels of solvency and financial performance both declined. The solvency and financial performance of the listed banks had a very shaky positive association. The research didn't incorporate descriptive analysis and panel regression. Gaps to be filled by considering of descriptive analysis and panel regression and conducting the study locally.

Omari *et. al*, (2015) looked into how solvency affected the financial health of industrial sectors. In this study, financial performance was measured by variables like earnings before interest and tax (EBIT), net profit margin (NPM), return on assets (ROA), and return on equity (ROE), while solvency was measured by debt ratio and equity ratio. For the analysis, multiple

regressions covered the years 2008 to 2011. According to the survey, the glass and ceramic industries and the mining and extraction industry had the greatest and lowest EBIT, NPM, ROA, and ROE, respectively. According to the study's findings, solvency and a firm's financial success are significantly related. A gap exists as deposit Taking SACCOs as key players in the financial performance have not been adequately studied in past scholarly work. This current study shift focused to Deposit Taking SACCOs as key players in the financial performance.

Kamoyo (2016) conducted study on the determinants of solvency on financial performance of deposit taking SACCOs in Kenya in Kenya, 40 SACCOs registered by SASRA and operating in Kenya from 2006 to 2010 were sampled for the study. To identify the factors influencing the solvency of deposit-taking SACCOs, the study used multiple regression analysis, investigative questionnaires, descriptive statistics, and investigative questionnaires. The study's findings suggested a negligible significant positive relationship between solvency and financial performance. The study failed to use correlation analysis and panel regression model limit generalization ability. The current study applies correlation and panel regression model as well which allow inferences to the larger population.

Ongore and Kusa (2017) conducted research on the factors that influence the financial performance of Kenyan commercial banks' solvency. On panel data, the authors estimated the parameters using a multiple regression model and generalized least squares. For ten years, from 2001 to 2010, this explanatory analysis is based on secondary data collected from published statements of accounts of all commercial banks in Kenya, CBK, IMF, and World Bank publications. 37 commercial banks were taken into account in this investigation. Thirteen of these banks have foreign ownership, while 24 are locally held. Except for the solvency variable, the results indicated that bank-specific factors significantly influenced the performance of commercial banks in Kenya. ROA, ROE, and NIM were all positively correlated with solvency management, although the relationship was quite feeble. Correlation analysis, which deals with

the relationship between independent factors and dependent variables, was not used in the study. The current study addresses the correlation analysis from local perspectives to address the gaps.

Macharia (2017) aimed to investigate the connection between the success and solvency of Kenyan savings and credit cooperative societies. All 43 Savings and Credit Co-operative Societies in Kenya that were in operation from 2008 to 2012 made up the study's population. To quantify profitability and CBK solvency ratio, the study collected secondary data on return on assets. To determine the link between the research variables, descriptive statistics and regression analysis were utilized in the study. The study discovered a significant correlation between the profitability and solvency of Kenyan Savings and Credit Co-operative Societies; nonetheless, the coefficients from the analysis were discovered to be insignificant. The results of the study cannot be trusted because a lower sample size of 43 was employed to analyze the data. The current study try to fill the gaps in the research.

Mwangi (2018) investigated how Kenyan SACCOs' financial performance was impacted by their solvency. The research used borrowings, capital and asset adequacy, profits and liquidity to gauge financial performance. The research design for the study was descriptive. The 43 SACCOs in Kenya that have received licenses as of December 2013 were the study's intended population. ANOVA was used to evaluate the study's primary and secondary data. The study's findings demonstrated a strong inverse association between solvency and SACCOs' financial success. Additionally, the analysis came to the conclusion that having more solvency assets than total assets would maintain greater solvency assets in comparison to total deposits would result in lower returns to Kenyan SACCOs, whereas the opposite would be true. Cross sectional design was not included in the research. The current study focused on cross sectional design in the research to fill the gaps.

Dang (2017), determined solvency the effect of solvency on financial performance of deposit taking Saccos in Kenya. the employed a descriptive and correlation research design and used smple size 120 of deposit taking in Kenya. The finding of the study indicated that solvency had highly positive influence on the financial performance of deposit taking Sacco in Kenya. the study however conducted with deposit taking SACCO in Kenya. The study failed to used panel aggression and correlation analysis. This current study will fill the gap.

Gichinga (2017), conducted study on the effect of solvency on financial performance of commercial listed in Nigeria. The study using a sample size of 29, the study was analysed using regression analysis. The study found that there is effect of solvency on financial performance of deposit taking, study further recommended that the management team to set up a system that should prevent this weakness. The failed to used correlation analysis which good. The current study will used both regression and correlation to fill in gap.

Tsuma and Gichinga (2016) the study aimed to examine the effect of solvency on financial performance of bank in Nigeria. The employed a descriptive research design with both primary and secondary data being utilized. the results of the research indicated that, had a positive effect on the financial performance of banks. The failed to adopt regression and correlation analysis. This current study tried fill the gap.

Ezeoha (2017) did a study on the association between SACCOs consolidation, credit crisis and solvency in Nigerian Savings and Credit Cooperative Societies (SACCOs system. The study aimed at identifying the factors which influence Savings and Credit Cooperative Societies (SACCOs solvency in an era of regulation-induced industry consolidation. Specifically, the study looked at the influence of asset liquidity, profitability, operating efficiency, size of Savings and Credit Cooperative Societies (SACCOs capital, loans to deposits ratio, predictability of depositors' behaviour, and board skill on quality of Savings and Credit Cooperative Societies (SACCOs assets. The study revealed that there was general deterioration

in solvency and increased credit crisis between the periods 2004 and 2008 and this was perceived to be fueled by inability of Savings and Credit Cooperative Societies (SACCOs to optimally use their huge asset capacity to enhance their earnings profiles. Further analysis revealed that huge solvency bases and excess liquidity syndrome influenced uncontrolled lending by Savings and Credit Cooperative Societies (SACCOs; and that increase in the level of unsecured credits in Savings and Credit Cooperative Societies (SACCOs ' portfolios ironically helped to mitigate the level of NPL within the studied period. The current study tried very hard to fil the gaps.

Cheruiyot (2018) studied the influence of solvency on financial performance of Savings and Credit Cooperative Societies (SACCOs in Kenya. The main objective of the study was to investigate the influence of solvency on financial performance of Savings and Credit Cooperative Societies (SACCOs in Kenya, Specifically, the study aimed to A descriptive research design was adopted by this study. Secondary data for the 175 Savings and Credit Cooperative Societies (SACCOs was obtained from audited annual financial reports for individual Savings and Credit Cooperative Societies (SACCOs found on the Savings and Credit Cooperative Societies (SACCOs website and at the SACCOs) of Kenya website and library. The study concentrated on analyzing the quantitative data which were analyzed with the help of Statistical Package for Social Sciences (SPSS) version 20. The findings were presented using percentages, tables and frequencies. Data were analyzed using descriptive statistics. The study found out that there was a strong positive relationship between asset quality and profitability of Credit Cooperative Societies (SACCOs in Kenya and this was attributed to the fact that when the ratio of Non-performing asset to net assets is lower, solvency of Credit Cooperative Societies (SACCOs in Kenya it means that the trade-off between solvency and financial performance is positive. The study used (SPSS) but the current study will use SPSS version 23 to fill gap

Barus *et. al*, (2019) investigated the influence of solvency on the financial performance of savings and credit societies in Kenya. The study further indicated that there were no major significant differences between the public sector Credit Cooperative Societies (SACCOs and the private sector banks as regards to Gross NPA ratio and the Net NPA. By adopting an explanatory research design on 83 Savings and Credit Societies (SACCOs) which had been in existence for five years (2011-2015), Multiple linear regression models were used to analyze both primary and datausing statistical package for the social sciences (SPSS) and STATA. The study revealed that solvency had a positive significant effect on the financial performance of savings and credit societies. The study failed to used any objective while the current study sought to fill gaps.

2.2.2 Liquidity and Financial performance

Ibe (2011) aimed to ascertain how liquidity affected the US banks' profits. Effects of loan loss provisions on total loans, revenue on total debt, non-interest expenses on total loans, debt to equity annual inflation rate, market capitalization, and money supply increase on commercial banks' profitability were the study's particular goals. The research in the US employed a sample size of 43 banks. Only non-interest expense, equity to total asset, inflation rate, and market capitalization were found to be negatively related to return on liquidity, though the negative relationship was insignificant. The positive relationship between equity to total asset and return on asset was found to be positive, excluding the rate of inflation. According to the study's findings, commercial banks raise loan loss provisions to boost profitability and enhance revenue from their non-lending operations. It suggested that larger sample periods and time series be used in future research to enhance the current one. The results of the study cannot be trusted because a lower sample size of 43 was employed to analyze the data. Current study targets sample size of 61 which larger enough.

Sohaimi (2013) investigates the relationship between liquidity and SACCO system performance in Malaysia. The study's primary goals were to examine liquidity risks and disclosure, as well as to determine how liquidity risks relate to various financial performance indicators by utilizing deposits, cash, the liquidity gap, and non-performing loans as indicators for the SACCOs system in Malaysia. and assess the impact on the capital and reserve of SACCOs. For the years between 1997 and 2012, secondary data were gathered from the balance sheets, income statements, SACCOs' annual reports, and Thompson Data Stream. Multiple regression analysis was then used to determine the relationship between liquidity risk on SACCOs' capital and reserve. The findings showed that liquidity risk has a considerable negative impact on SACCOs' capital and reserves, with non-performing loans (NPLs) acting as an aggravator. Correlation analysis was not used in the research. The current study used the correction analysis in the research.

David and Samuel Adebayo (2013) conducted a study on the relationship between profitability and liquidity in Nigeria. The primary goal of the study was to examine how the availability of liquidity affects the profitability of SACCOs in Nigeria. This study utilized a descriptive research approach with specific goals in mind. Secondary data for the 105 Savings and Credit Cooperative Societies SACCOs was gathered from audited yearly financial reports for individual SACCOs that were located at SACCOs in Nigeria and on the Savings and Credit Cooperative Societies (SACCOs) website. Internet site and library. The statistical package for social sciences (SPSS) version 20 was used to evaluate the quantitative data, which was the study's main focus. Tables, frequencies, and percentages were used to show the results. Utilizing descriptive statistics, data were examined. According to the study, there is a significant link between Credit Cooperative Societies' profitability and liquidity. This was ascribed to the fact that when the debt to equity ratio is lower, the liquidity of Credit Cooperative Societies (SACCOs in Kenya) indicates that there is a favorable trade-off between liquidity and profitability. Gaps arise on need to expand the valuation to include other aspects

of credit risk management practices such as solvency, liquidity, leverage and capital adequacy. The current study expands the scope of credit risk management practices assessed. On the variable aspect, the study focused on solvency, liquidity, leverage and capital adequacy.

Khidmat and Rehman (2014) On the relationship between liquidity and SACCO profitability in Pakistan. The goal of the study was to gather actual data on how SACCOs might improve their liquidity and profitability positions as well as how good liquidity management influences SACCO profitability. The study included quantitative research techniques. The analysis used both primary and secondary data. Descriptive statistics and correlation analysis were employed in the investigation. The research found a substantial positive connection between liquidity and profitability. In light of this, the study concluded that SACCOs should focus more on having effective and efficient liquidity management in order to succeed in their operations and survive, and that both illiquidity and lack of liquidity are "financial diseases" that can quickly erode a SACCO's profit base as they interfere with their efforts to achieve high profitability-levels. The monetary authority should urgently promote and authorize the use of credit cards, encourage SACCOs to maintain a flexible Minimum Monetary Policy (FMMP) or discount rate so that the SACCOs can take advantage of alternative measures to meet the unexpected withdrawal demands, and reduce the tendency of maintaining excess idle cash at the expense of profitability. Mandate the use of checks for large sums of daily company transactions. The study was conducted in Pakistan thus presenting a scope gap. The current study was conducted in Kenya which is easy collect data for the researcher.

Al Nimer *et. al*, (2015) evaluated how Jordanian SACCOs' financial performance was affected by liquidity as shown by ROA. The study's major goal was to determine how financial leverage and liquidity affected the profitability of businesses. In the study, secondary data from a sample of forty listed SACCOs in the textile sector were studied quantitatively using pooled panel regression and descriptive statistics models from 2006 to 2016. The study found that

profitability and financial leverage did indeed have a favorable link. The results demonstrated a substantial positive connection between ROA and quick ratio. The study employed a 40-person sample size; thus the results are based on that number of participants. The current study fills the gaps by considering annual statement documents from the SACCOs.

Mishra and Pradhan (2015) did a study on the impact of liquidity management on profitability among the private sector SACCOs of India. Inferential statistics models were utilized to evaluate both primary and secondary data using the statistical package for the social sciences (SPSS) and STATA in an explanatory study design on 83 Savings and Credit Societies (SACCOs) that had been operating for five years (2011 - 2015). The study found out that liquidity had a significant negative on financial performance of SACCOs in India. The survey also revealed that there were no substantial differences between the private sector and public sector Credit Cooperative Societies SACCOs in terms of the total loan and coverage ratio. The study, however, found no evidence of a connection between SACCO profitability and liquidity taking. The study failed used both inferential statistics and descriptive statistics to analysis data in the research. The current study filled the gaps by considering both inferential statistics and descriptive statistics to analysis data in the research.

Roy et. al, (2016) interrogated the link between liquidity on financial performance of SACCOs in Indian. The specific objectives of the study were effects current asset to current liabilities, provision for cash ratio and cash, marketable securities and accounts receivables on profitability. The study took a sample size of 55 SACCOs in the country and data collected was analyzed by use of regression analysis tool. The study found out that there was a positive significant relationship between current ratio and profitability of SACCOs. It was concluded that as liquidity of SACCOs has significant importance on financial system of the country, it may affect economic growth of the country alongside profitability. The study failed to use

correlation analysis which good measuring association of variables. The current study focused on correction, panel regression and descriptive analysis.

Moussa and Boubker (2017) used data from 18 SACCOs in Tunisia from the years 2000 to 2017 to investigate the effect of liquidity on SACCOs' profitability. The ratios of total loans, total deposits, and liquid assets to total assets showed positive significant influences on return on assets, but the ratio of current assets to current liabilities had no significant impact on ROA, according to the study, which used two models of panel statistics. The study also showed that while current assets and current liabilities did not significantly affect return on equity (ROE), the ratios of liquid assets, total assets, total loans, and total deposits had a substantial negative influence on ROE. The study didn't include correlation statistics, which are useful for determining how closely two variables are related. The current study included correction analysis in the research to fill the gaps.

Karani (2017) studied how Kenyan SACCOs' profitability was impacted by liquidity. From 2009 to 2013, secondary data were examined for the research. Regression analysis was performed to find the relationship between the research variables, along with descriptive and inferential statistics. The study clearly demonstrated a large positive association between profitability and liquidity management. To support the competing goals of maintaining sufficient liquidity and long-term profitability, it was advised that finance managers of SACCOs should maintain a balance between the amount of liquid assets and long-term assets. There was no cross-sectional research strategy used in the study. The current study employed cross sectional research design.

Vaita (2019) examined how liquidity affected Tier One listed SACCOs in Kenya's financial performance. The study's goals were to ascertain the effect of managerial effectiveness, domestic product growth, and liquidity coverage ratio on the financial performance of Kenya's Tier 1 Listed SACCOs. The study used a descriptive research approach to study SACCOs in

Kenya. The respondents' primary information was requested, and descriptive and inferential statistics were used to evaluate it. The study's findings revealed that liquidity coverage had no discernible impact on ROA. The study also found a substantial positive association between managerial effectiveness and ROE and ROA. The increase in the gross domestic product was seen as quite good. Although minor, there is a correlation between ROE and ROA. It was determined that in order to achieve the desired financial performance while preserving the minimal necessary liquidity ratio, SACCOs must act appropriately throughout operations. The study used descriptive research design thus presenting a methodological gap. The current student used cross sectional research to fill the gaps.

Manoj *et. al*, (2015) conducted a performance evaluation of public sector banks based on Camel Methodology. The study focused on five large public owned commercial banks in India. The study utilized descriptive statistical analysis to examine the performance evaluation of commercial banks. The findings of the research indicated that the liquidity levels of commercial banks as measured by liquid assets to total assets were a key performance metric. The research failed to examine if any the casualty link between liquidity level and the financial measures of commercial banks. The current sought to fill this gap.

Edem (2015) studied the liquidity and financial performance of deposit money banks in in Nigeria (1986-2011). The research targeted 24 banks which constitute the entire deposit money banking industry in Nigeria between 1986 and 2011. Secondary data were collected and analysed using SPSS. The study utilized descriptive, correlational and inferential analysis. The findings of the study showed a significant relationship between liquidity and the performance banks. The correlation results reveal positive impacts between return on equity and liquidity variable: liquidity and cash reserve ratios, whereas loan to deposit ratio shows negative impact. The study only utilized ROE to measure performance whereas the current study used a large sample size of 61 to fill the gap.

Arif Nauma Anees (2016) analysed the effect of liquidity on financial performance of non financial companies in Kenya. the used a sample size of 20, the study was analysed using mean and regression analysis. The study found that there was effect of liquidity on financial performance. Study further recommended that the management team to set up strong strategy. The failed to used correlation analysis. The current sought to fill the gap.

Pandey (2017) analysed the effect liquidity on financial performance of deposit taking SACCOs in Kenya. The study aimed to find out the effect liquidity on financial performance and to determine the effect on credit ratio financial performance, using a sample size of 30, the study was analyzed using inferential analysis. The study found that liquidity has positive effect on financial performance of deposit taking SACCO, the study further recommended that the deposit taking SACCO manager should set a policy to follow strictly in the SACCOs to help in improves SACCOs. The study did not used cross sectional design but the current study sought considered the cross sectional design.

Sohaimi (2017) analysed the effect of liquidity on financial performance of Insurance companies in Kenya. The study aimed to evaluate the effect of banks size on financial performance and to examine the effect of business risk, using a sample size of 18, the study was nalysed using mean and regression analysis. The study found that was had negatively correlation between liquidity and financial performance of deposit SACCOs. The failed to used correlation analysis. This current study sought to fill the gap.

Waleed et. al, (2018) on exploring the influence of liquidity on financial performance in Pakistani SACCOs industry, analyzed data for all the SACCOs for the period of 2010-2015. The results revealed a significant relationship between SACCOs liquidity ratios and return on assets, return on equity, net profit margin, and Tobin Q. However, the study failed to notice any significant relationship between return on investment and earning per share relationship on one hand, and liquidity on the other. The current study sought to notice significant relationship

to fill the gaps.

Sanghani (2019) scrutinized the effect of liquidity on profitability of non-financial companies listed at the Nairobi Security Exchange in Kenya. The specific objectives were to investigate the effects of current ratio, operating cash flow ratio and debt to equity ratio on the performance of the companies listed on the stock exchange. The study took a sample size of 41 non-financial companies listed on the security exchange covered a period of 2009 – 2013. Data collected was analyzed by use of regression analysis model whereby it was found out that current ratio operating cash flow ratio and debt to equity ratio had positive effect on the performance of the companies listed on the stock exchange. The study concluded that all the variables studied positively affects performance of commercial banks. The study recommended that there is need to examine non-financial of commercial bank in Kenya listed on stock exchange to increase current ratio, operating cash flow ratio and debt to equity ratio in order to raise liquidity. It also found that increase in current ratio, operating cash flow ratio and debt to equity ratio improves financial performance. However, further it was recommended that there was need for non-financial companies listed of the security exchange to use operating cash flow ratio by decrease in loan repayment. The study failed to analyze liquidity of commercial banks on profitability which calls for a study. The current study sought to fill gaps.

Malik et. al, (2019) examined the impact of liquidity on financial performance on private sector bank of Pakistan. The specific objectives of the study were effects of current ratio, quick ratio and liquidity ratio on financial performance. The study took a sample size of 22 private sector bank registered under the state bank of Pakistan. Data collected was analyzed by use Ordinary Least Square and was found out that there was statically insignificant link between the liquidity of commercial bank liquidity ratio and financial performance measured by level of its return on assets. it was however, concluded that financial performance to be used when return on investment is a proxy on high financial performance. The study that it was obvious that there

was no relationship between liquidity ratio and financial performance which indicated very small p-value showed weak relationship. The study suggested that commercial banks to assess and reform there credit management for effective liquidity ratio to improve stakeholder's growth of equity and improve profitability of banks. Thus, there was no relationship addressed to analyze liquidity and profitability. The study failed to focused on research design statistic which was very important but the current study sought to fill the gaps.

Sardar (2020) evaluated the impact of liquidity on financial performance in banking sector on Iraq. The study aimed at the effects of following specific objectives loan deposit ratio, deposit ratio and cash deposit ratio on financial performance. The sample size of the study was five banks based in Iraq which was randomly selected. Data collected was analyzed by use of Ordinary Least Squares model and the study found out that liquidity ratios had positive impact on profitability in the objective's banks. The study concluded that liquidity and financial performance management were important factors for any successful bank in the country. The study recommended that it would be a good idea for the banks in the county to keep a balance between liquidity and profitability to avoid financial risk. The study was done in Iraq but the current study will be done in Kenya to reduce the cost.

Botoe (2020) studied the impact of liquidity on profitability of commercial banks in Nigeria. The specific objectives of the study were effects of loan asset ratio, deposit ratio, liquidity, regulation, business cycle on profitability of commercial banks. The study took a sample size of 8 commercial banks in Liberia. Data was collected and analyzed by use of by of both descriptive and inferential statistics which included the use of standard deviation, correlation and regression analysis. The study found out that there were positive relationship between bank net income and business cycle and loan. It also found out that there were negative relationship between net income and liquid asset ratio, deposit ratio and asset ratio. The study found that profitability is enhanced for commercial banks holding some liquidity assets,

however, it is believed that there is a point as which holding liquid assets lowers a bank's profitability. It also concluded that a bank with more deposit is able to be more profitable and the higher than loan assertion high profitability. It was further concluded that business cycle and regulation also significantly affect profitability. The study recommended that commercial banks should put in place a policy that regularly monitor the liquid assets of the banks to ensure that it maintained at a level which has no negative effect on the profitability. That, liquid asset to be managed because excess of it negatively affects profitability and that central bank should put down a regulation which allows liquid assets of a bank be maintained from time to time to ensure smooth running of the business. The study used many variables which made the researcher to confused but the current study sought to the gaps.

Abata (2014) assessed the association between liquidity on financial performance of Credit Cooperative Societies (SACCOs) in Nigeria. The study observed that whereas there is no significant relationship between Credit Cooperative Societies (SACCOs loans and Credit Cooperative Societies (SACCOs profitability, there existed a strong negative relationship between Credit Cooperative Societies (SACCOs liquidity (which was defined by Loans and advances, loan loss provisions and non-performing loans) and its performance. The study therefore recommended on the need for the Credit Cooperative Societies (SACCOs to embrace better credit risk management to safeguard their liqudity and protect the investors' interests. The study failed to used both correlation and panel regression. The current will fill the gaps by using both correlation and regression.

Paul and Prakash (2016) on the impact of liquidity on profitability of Credit Cooperative Societies (SACCOs in Kenya targeted scrutiny of secondary data for the 175 Credit Cooperative Societies (SACCOs and the study found out that there is a strong positive relationship between liquidity and profitability of Credit Cooperative Societies (SACCOs in Kenya and this was attributed to the fact that higher levels of equity would decrease the cost

of capital, leadingto a positive impact on profitability. The study was done on profitability of credit cooperative Societies(SACCOs) in Kenya while the current study will be done financial performance of deposit taking SACCOs in Kenya.

Mwongela (2015) assessed the relationship between liquidity and profitability of commercial bank in Kenya. A sample size of 43 banks was used for the study in Kenya. Data collected was analyzed by use of correlation and regression analysis and was found out that there was positive relationship between liquidity and profitability. The study concluded that commercial banks increase loan loss provision to improve profitability and to generate more income for their non-lending activities. It recommended that future studies could improve the study by taking a longer sample period and time series. The study used smaller sample size of 43 while the current study will the gaps by using a larger sample size.

2.2.3 Leverage and Financial performance

Rajkumar in (2014) undertaken a research on the impact of leverage on the financial performance of deposit-taking SACCOs in Sri Lanka. Finding the connections between leverage ratio and financial performance was the study's main goal. The target DTS population for the trial was 60. Regression and correlation analysis were used to gather data from secondary sources across a 7-year period, spanning the years 2006 to 2012. The factors under examination were found to be negatively correlated. The results also demonstrated that leverage ratio has a significant impact on the financial success of the organization under study. Researchers should repeat the study on different businesses or industries because the study's reach is limited because just 60 DTS were used. The study was conducted in Sri Lanka thus presenting a scope gap. The current study was conducted in Kenya.

Bhardwaj (2017) examined of leverage on financial performance of deposit taking SACCOs in India. Out of the 135 SACCOs licensed in India, 40 were chosen conveniently. Three years of

data, 2010 to 2012, were used. Both a descriptive and analytic design were used in the investigation. A negligible insignificant negative relationship between leverage and financial performance analysis, with a test conducted at a 99 percent confidence level. Due to the reduced sample size and constrained range of organizations examined, the results could not be generalized. The study used a smaller sample size of 40 which is not wider enough to give a good result for research. This current study used sample size of 61 which was wider enough to give a good result for research.

Haron and Ahmed (2018) undertaken A study on the impact of leverage on the performance of non-financial enterprises in Malaysia. The information was made up of businesses excluded from financial firms that were listed in the Malaysia 20 Share Index as of August 1, 2014. From 2008 to 2013, six years of data were used. The study used a model for regression analysis and a descriptive design. The results of the study revealed a substantial inverse relationship between leverage and firm performance using ROA as the performance parameter. Since the study mainly focused on companies listed in the Malaysia 20 share index, excluding financial businesses, it is important to apply caution when interpreting its conclusions. The study only included 20 participants, thus it is impossible to generalize the findings. The current study included sample size of 61 which is good to generalize the findings.

Zahoor et. al, (2015) conducted studied on the impact of leverage on the financial performance of Pakistani. The purpose of the study was to determine how leverage ratio affected Pakistani business efficiency. Between the years of 2006 and 2011, panel data from 154 textile companies listed on the Karachi Stock Exchange (KSE) were used. Data analysis techniques included descriptive statistics, correlation, and multiple regression analysis. The results indicated a poor correlation between leverage and company performance. Given that it includes all textile companies registered on the Karachi Stock Exchange, the study's scope is sufficiently broad. Similar investigations have to be carried out in other areas and across other sectors. The

trial was ineffective in correlation analysis. The study focused on textile companies thus presenting a scope gap. The current study focused on Deposit Taking SACCOs in Kenya to fill the gaps.

Gudeta (2013) did research on the impact of leverage on the financial performance of commercial banks in Ethiopia. Data from all 44 banks over a 5 years term 2008 to 2012 was used. study adopted descriptive and multiple regression analysis using SPSS. The findings portrayed a substantive link amid leverage ratio ad financial performance. Negative relationship exists amid growth in assets and profitability. When ROE and leverage ratio were tested, a negative associated was noticeable. The study failed to use correlation statistics which good measuring association of variables. The current study used correction statistics in the research to the gaps.

Allini et. al, (2014) carried out research with an Egyptian goal. The study employed an ex-post factor research approach on six quoted pharmaceutical businesses in Egypt to determine the relationship between leverage ratio and financial success. Data from 12 years of financial reports, from 2001 to 2012, were the subject of a correlation and multiple regression analysis investigation. The research discovered a negligible relationship between the financial success of the sampled enterprises and independent factors. Although the study's time frame is lengthy enough to yield trustworthy results, panel regression analysis was not used. The current study used the panel regression to fill the gaps.

Abubakar (2015) conducted a study on the link between leverage and financial performance of banks in Nigeria. The study a selective sample of 11 out of the 23 deposit taking banks in Nigeria and covered 9 year period from the year 2005 to 2013. Regression analysis was used and results showed that there exists a considerable relationship amid debt to equity and return on equity. Similar studies should be conducted and tested using other ratio measures other than the ones studied above. The study failed to use correlation statistics and descriptive statistics.

The current study employed both statistics in research to fill the gaps.

Baoko *et. al,* (2016) conducted a research on the association between leverage and financial performance of listed chemical companies of Ghana. Data from 20 quoted organizations from chemical sector of KSE over 8-year period from 2006 to 2013 was used. descriptive statistics, correlation and regression analysis were adopted to reach the study's objectives. The findings portrayed positive connection between ROA, Net Profit margin and ROE with debt-to-equity ratio. The debt-to-equity ratio was the only metric of leverage used other ratios such debt ratio and long-term debt ratio should be tested on similar studies. The study focused only on smaller sample size of 20 which not good to give full information. The current study focused on a larger sample size of 61 which is good to give full information.

Amenya (2020) conducted study on the relationship between the leverage and the financial results of companies listed on the NSE. Over the course of six years, from 2008 to 2013, information was gathered on 26 randomly chosen companies out of the 61 companies listed at the NSE. Regression, correlation, and a descriptive design were used in the study. According to the study, leverage ratio has a detrimental effect on a company's financial success as evaluated by ROE. Secondary data were used in the study. Different conclusions may be drawn from an examination of the same case utilizing primary data sources that involved stock market specialists. The study focused on cross-sectional research design thus presenting a gap. The current study focused on cross sectional research design to fill the gap.

Gweyi and Karanja (2017) documented on the effects of financial leverage on financial performance of deposit taking savings and credit co-operative in Kenya. Specifically, the study wanted to investigate the influence of Debt Ratio on financial performance of deposit taking Saccos in Kenya. A sample of 40 Savings and Credit Co-operative Societies (SACCOs) took partin the survey whereby their secondary data for the period 2010 to 2012 was examined. It was evident from the study that there exists a positive significant relationship between debt

equity ratio and ROE and profit after tax. The study used small sample size of 40. The current study sought to fill the gaps by using a larger sample.

Kang (2018) investigated the effect of financial leverage on profitability in lodging companies In US. The purpose of the study was to investigate the influencers of leverage, to discover the link between Revenue per Available Room and debt ratio, and to document on the association between profitability and debt ratio. The study believed that an examination of data for the period 2001 and 2010 would help arrive at substantive conclusions. The study registered a positive relationship between debt ratio and property, plant and equipment ratio and Revenue perAvailable Room; and that there was a negative effect of long-term debt ratio on ROA. It was concluded that there exists a negative relationship between growth opportunities and debt ratio, although there was no significant relationship witnessed between debt ratio and growth opportunities. The study failed to used panel regression and correlation analysis but the current study will fill gaps by using both panel regression and correlation analysis.

Czech *et. al*, (2018) reported on the association between company returns and leverage depending on the business sector. The purpose of the study was to bring on board the influence of leverage and corporate performance, using the corporate financial data for the year 2014, of selected companies. It was revealed that leverage has a negative influence on ROE. However, the study confirmed a positive relationship between the company profitability and leverage. This study is not clear because many point missing on its but the current will be up to date.

Megawati (2019) did an exploration of the influence of operating leverage, financial leverage, and liquidity on profitability in the telecommunications industry listed in Indonesia Stock Exchange. The study aimed to analyze the effect of operating leverage (DOL), financial leverage (DFL) and liquidity (CR) on profitability (ROA) in the telecommunications industry

listed in the IDX. A descriptive research design was deemed to be appropriate for the study. Purposive sampling technique was employed to select a sample of five companies whose data for the period 2012- 2018 was analyzed. The study found out that operating leverage and financial leverage had a positive significant effect on profitability, that liquidity had a negative significant influence on profitability, and that when considered jointly, liquidity, operating leverage and financial leverage had a significant influence on profitability. The study failed to applied secondary data. The current try to fill the gaps.

Jensen and Meckling (2016) considered the interrelation of leverage and profitability of the SACCOs and argued that conflicts of interest between shareholders and managers arise because of agency costs. Debt financing raises the pressure of managers to perform, but implies payment of interest obligations that must be contented by managers, and the company may become under the threat of a bankruptcy if these obligations are not satisfied. Consequently, a positive influence of leverage on corporate profitability should exist. The firms with higher leverage should the most inclined to higher profitability. However, higher leverage contributes higher agency costs because of divergence interest between shareholders and debt holders: this suggests that leverage may be negatively associated with profitability.

Data (2018) analysed leverage on financial performance of insurance sector. The used a sample size of 12 insurance sectors. The study adopted multiple regression and correlation to analysed data. The study found that the leverage affecting insurance sector performance. The study recommended that insurance sectors should apply strategy approach to improves insurance sector performance. The current tried to fill the gap.

Naceur and Kandil (2017) analysed the of leverage on financial performance of deposit taking SACCOs in Egypt. the study focused on leverage regulations set by the government and the Basle committee. The study found that high leverage requirement increased the cost of intermediation. On the other hand, the leverage increased the SACCOs size leading to

increased SACCO activity and therefore improved performance. The study concluded that leverage regulation improved performance.

Kadionglu *et. al*, (2017) analyzed the effect of leverage on financial performance of SACCOs in Turkey. The study took a sample size of 55 SACCOs in the country and data collected was analyzed by use of regression analysis tool. The study found out that there was a positive significant relationship between non-performing loan and financial performance of SACCOs. It was concluded that as leverage of SOCCAs has significant importance on financial system of the country, it may affect economic growth of the country alongside financial performance. The study recommended that regulations aiming to ensure low leverage be put in place by both national and international organization and that risk models be developed with regard to the issue. The current study will solve the gaps of issue.

Kasavica (2019) explored the effect an leverage and financial performance of commercial bank in Kenya. The study took a sample size of 17 commercial banks. The data collected was analyzed with the used of regression model where the results found out that maturity of majority of the variables affects financial performance which was maintained mainly by the fact that it act as rule on long term loan on annual lowers the rates of interest which short-term loan gives slightly higher interest rate. It was also found out that leverage are more expensive which and generally decreases the profit margin within the relationship between interest and the source. The study concluded that the higher the performance of loans, the lower the provisioning and that the higher the level of loans under less favorable rating cost, the more the cost and the lesser the profit. The study recommended that specific practical tool for determining the characteristic of the leverage and the effect on financial performance used in the study be used in other commercial banks to give comparison results. The study was done on commercial banks in Kenya but current study will be done on deposit taking SACCOs.

2.2.4 Capital adequacy and financial performance

Khalifa and Tailab (2012) conducted the study on the effect of capital adequacy on the financial performance of SACCOs in America. The study employed quasi experimental research design in the research. Although there was a significant positive relationship between capital adequacy and financial performance as evaluated by ROA, ROE, Net Interest Margin (NIM), and Loan Loss Provision LLP, only the relationship between capital and ROA was statistically significant for the years 2002 to 2009 from a sample of 19 SACCOs. The study failed to use cross sectional research design. The current study applied cross sectional research design on SACCOs

Bhowmick and Srivastava (2017) conducted a study in India to determine the impact of capital adequacy on the profitability of Punjab SACCOs. The results of the study showed that Total Shareholders' Fund, Return on Capital Employed, Return on Assets, Return on Equity, Dividends per Share, and Dividend Payout Ratio all have a positive, significant impact on capital adequacy. The study did not utilize descriptive statistics. The current study used of utilize descriptive statistics in the research to fill the gaps.

Al-Tamimi and Obeidat (2013) reported on the influencers of capital adequacy on performance in Jordanian SACCOs. The study aimed at identifying the salient factors which affect the capital adequacy of commercial SACCOs. Secondary data were obtained from Amman Stock Exchange for SACCOs for the period from 2000 – 2008 and a multiple linear regression was run. The study found out that capital adequacy had a strong positive effect on financial performance, and the rate of return on assets; and a strong negative significant relationship on ROE and interest rate risk. However, the study failed to witness any significant effect of capital adequacy on capital risk, credit risk, and the rate of force – revenue. The current study witnessed any significant effect of capital adequacy on financial performance.

Haris et. al, (2014) on the influence of capital adequacy on the profitability of Pakistani SACCOs, the study used primary data from the questionnaire and interview that employed three measures of capitalization (capital ratio, capital adequacy ratio, non-performing asset and minimum capital requirement), to ascertain its effect on financial performance as measured by return on average asset, return on average equity, net interest margin and profit margin. A total of 29 Pakistani SACCOs was scrutinized over the period from 2007-2018. The findings showed there was insignificant negative relationship between capital adequacy and financial performance, that financial performance and capital adequacy exhibited an inverted U-shaped relationship with financial performance decreases with an decreases in capitalization up to a certain level, while beyond that level, a further decreases in capitalization decreases financial performance. The study failed to used secondary data from the published annual financial statement which is easy to understand. The current study used secondary data to fill gaps.

Mendoza and Rivera (2015) did a study on the effect of capital adequacy on the profitability of SACCOs in the Philippines has been well documented. The objectives of the study were to identify a measure of credit risk, capital adequacy, and SACCOs profitability; and to come up with a viable econometric model that can be used to forecast its causation with profitability; secondly, to ascertain whether credit risk and capital adequacy ratio have a significant impact on the profitability, and lastly to come up with useful policy recommendations on how SACCOs can uphold sound financial health in order to hedge from potential failure as a result of disregard on credit risk and capital adequacy. The study used descriptive statistic. The study examined the credit risk and capital adequacy of the 175 SACCOs in the Philippines to investigate how both variables affect SACCOs profitability. From the analysis, it was evident that although capital adequacy had no significant influence on profitability, there was a negative significant relationship between credit risk and profitability of SACCOs in Philippines. The study therefore recommended on the need for SACCOs to investigate if capital infusion has influence on profitability than increasing debts. The study failed to use

cross sectional research design. The current study used cross sectional research design in the research to fill the gaps.

Umoru and Osemwegie (2016) to examine how capital adequacy directed the financial performance of credit Cooperative Societies (SACCOs) in Nigeria. Using primary data collected from a sample a sample of 518 staff of SACCOs and also secondary data from published financial statement of SACCOs were used from 2006 -2010, the study failed to notice and significant relationship capital adequacy and profitability based on the primary data collected although the analysis if the secondary data indicated that there was significant positive effect of capital adequacy on SACCOs profitability. The study failed to use panel regression analysis. The current study used panel regression analysis, correction analysis and descriptive analysis in the research to fill the gaps.

Rahman (2017) evaluated the effect of capital adequacy on the performance of mid-tier SACCOs in Bangladesh. The study was purely quantitative research and it involved analyzing secondary data for fourteen second tier SACCOs over a period of four years, from 2013 to 2016. After analyzing the data using descriptive and inferential statistics and then the results presented in a multiple regression model, the study found out that capital adequacy had strong and significant positive influence on financial performance of the said SACCOs. In view of this, the study recommended on the need for SACCOs of Kenya (Central bank of Kenya CBK) to regularly monitor SACCOs by ensuring that they publish their quarterly results to the public. The study failed to use a larger sample size which might have brought out a different outcome. The current study used a larger sample size which is good to give out different outcome.

Zerfeshewa (2017), carried out a research on influence of capital adequacy on banks' profitability in Ethiopia. The study was anchored to the Modigliani and miller theory proposition I and II. The researcher employed descriptive research design. The study targeted all the 44 commercial banks in Kenya. Secondary data was collected from published accounts

of commercial banks. Findings established that holding adequate capital is not enough and banks must be ready to point out various risk, which might affect their capital. The study concluded that bank capitalization is an economic change with an aim of restoring consistency; steadiness and profitability in the banking sector and build sureness with its customers. The researcher recommended that banks strengthen their capital base to overcome risks which might shake their capital adequacy to remain attractive to the shareholders. The study failed to use cross sectional research design. The current study used cross sectional research design to fill gaps.

Aymen (2018) explored the relationship between profitability and capital adequacy of Credit Cooperative Societies (SACCOs in Tunisia, by analyzing data from all the licensed Credit Cooperative Societies (SACCOs in Kenya over the period 2004 to 2009. Using ROA and ROE as the measures of profitability; and Capital Asset Ratio (CAR) as the measure of capital adequacy, the study ran a regression model which was further modified to include the control variables (credit risk, market power, operating efficiency, activity mix and size). The study failed to gather sufficient proof to the existence of any significant relationship between capital adequacy and ROE even after the inclusion of the control variables. However, the research observed the existence of significant negative relationship between capital adequacy and ROA. Similar results were witnessed even after the inclusion of the control variables. The study failed to use correlation statistics and descriptive statistics. The current study used both statistics to fill gaps.

Mugwang'a (2019) the factors that influence capital adequacy on Profitability of SACCOs in Kenya, considered secondary data four years, from 2010 to 2013 which were obtained from Nairobi Securities Exchange (NSE) and using multiple linear panel data and the karl Pearson's coefficient to analyze it, the study found out that capital adequacy had a strong significant relationship on financial performance of SACCOs. However, the study failed to gather

sufficient evidence to proof the existence of a significant relationship between capital adequacy and the following: credit risk, liquidity risk, ROA, interest rate risk, return on equity ratio and revenue power ratio. It was recommended on the need for the report of financial statements and data to include rules and basis on which capital adequacy measurement is based, which led to raising SACCOs and finance awareness that enhanced SACOOs competitive positions with regional and international SACCOs. The study failed to use correlation analysis and penal regression analysis based, which would increase knowledge of SACCOs and finance and strengthen SACOOs' competitive positioning against regional and global SACCOs. Both penal regression analysis and correlation analysis were not used in the study. The current study applied both analysis in research to fill gaps.

Suka (2019), conducted a study on influence of capital adequacy on financial performance of financial institution quoted at the Nairobi stock exchange. The specific objective was to assess the effect of capital adequacy ratio on the financial performance of commercial banks. In the study, the researcher adopted the agency theory, trade off theory and pecking order theory. Descriptive research design was employed. The target population was nine banks listed at Nairobi stock exchange. Secondary data was utilized as the source of data for the study. The data was acquired from the Kenya Capital Market Authority Library, Internet and website of the quoted commercial banks quoted at the national stock exchange. The study established that capital adequacy eventually shows the capability of banks to manage shocks in the balance sheets. He concluded that capital adequacy has a positive effect on banks' performance, unlike assets size which has no effect. The researcher suggested that there should be a wide capital base gap on influence of capital adequacy on financial performance of deposit taking SACCOs in Nairobi. The study was done on commercial banks and not on SACCOs. The current study was carried on SACCOs to fill the gaps.

Kipruto et al. (2018) evaluated the effect of capital adequacy ratio on the performance of mid-

tierSACCOs in Kenya. The study was purely quantitative research and it involved analyzing secondary data for fourteen second tier SACCOs over a period of four years, from 2013 to 2016. After analyzing the data using descriptive and inferential statistics and then the results presented in a multiple regression model, the study found out that capital adequacy had strong and significant positive influence on financial performance of the said SACCOs. In view of this, the study recommended on the need for the SACCOs of Kenya (CBK) to regularly monitor SACCOs by ensuring that they publish their quarterly results to the public.

Dao and Nguyen (2018) explored the effects of and capital adequacy ratio and SACCOs performance in Vietnam. The main purpose of the study was to single out determinants of capital adequacy ratio and also to identify the link between capital adequacy ratio and financial performance of Vietnamese banks. Data for 175 SACCOs were considered for the period 2010 to 2017. The study found out that capital adequacy ratio has a negative significant influence on the performance of SACCOs. As part of the recommendations, the study warned against keeping a large or only making high quality loans since, even though this method generates high capital adequacy ratio, for SACCOs, it results in lower profits.

Kioko (2018) observed the effect of capital adequacy regulation on savings and credit cooperative societies in Kenya. The specific objectives of the study were why it was necessary
for SACCOs to adhere to capital adequacy requirement, changes faced to comply with the
requirement and the strategies SACCOs had undertaken to meet the requirement for capital
adequacy. The study sample size was 35 deposit taking SACCOs in Kenya. Data was collected
and analyzed using correlation analysis where the study found that level of capital adequacy
was beneficial in meeting regulatory requirement, that the capital adequacy was influence
enabling the institution to manage credit risk and for growth base. It was also found that
reduced payout on members lending capacity posed a challenge. The study concluded that
SACCOs had profited much from adhering to the capital adequacy and that they had overcame

the changes of separating capital from members and institutional capital and calculation of ratios. The SACCOs had engaged in strategies to increase capital. The study recommended that review of lending rates through cost pricing methods and training executives by the regulator was necessary.

Dore, (2018), analysed the effect of capital adequacy on financial performance of non financial companies in Kenya. The study aimed to examine the effect of capital adequacy ratio and credit ratio on financial performance, using a sample size of 518, the study was analysed using linear regression analysis. The study found that capital adequacy has effect on non financial performance, the study further recommended that non financial companies in Kenya should used credit ratio strategy in the management of capital adequacy to improve the performance of non financial companies in Kenya. The study failed to used correlation

Obumuyi, (2019), analysed the effect of capital adequacy on financial performance of deposit taking SACCos in Kenya. The study using a sample of 27 deposit taking SACCOs statements, the study analysed data using cross-section and correlation analysis, the finding of the study show that capital adequacy has positive effect financial performance, the study recommended that higher capital adequacy need to raise in the level of deposit taking SACCOs causes to SACCOs to achieve objective goal. The study failed to used larger sample size. This current sought to fill gap.

Scott, and Arias, (2019), analysed the effect of capital adequacy on financial performance of banks in Kenya. The study aimed to examine the effect of interest ratio of financial performance, using a sample size of 11, the study was analysed using correlation analysis. The study found that risk effected on the financial performance, the study further recommended that management should make sure to set capital adequacy policy that not affect the financial performance. The study used only correlation and failed to used correlation analysis. This current tried to fill the gap.

Fadun, (2020), analysed the effect of Capital adequacy on financial performance of in Kenya. The study aimed to examine the effect of Net facilities ratio on financial performance and to evaluate the effect of credit interest ratio on financial performance using a sample size of 18, the study was analysed using generalized method of moments and regression analysis. The study found that credit interest affected on financial performance, the study further recommended that management should put strong internal system policy not affect the financial performance in the bank setting. This current sought to fill gap

Njogo, (2016), analysed the effect of capital adequacy on financial performance of non financial companies in Kenya. The study aimed to determine the effect of leverage ratio on financial performance and to find out the effect of Non performing loans on financial performance using a sample size of 108, the study was analysed using mean and regression analysis. The study concluded that credit risk affected strong on effectiveness of the capital adequacy. The study found that the capital adequacy affect non financial performance. The study recommended that the non financial companies should adopt strategy approach as highly improve performance of the companies in Kenya. The current study addresses the gaps by using both correlation and regression

Zahangir and Masukuji, (2017), analysed the effect of capital adequacy on financial performance of deposit taking SACCOs in Kenya. The study aimed to determine the effect of Gross loan ratio of financial performance and to evaluate the effect of Credit facilities ratio on financial performance using a sample size of 20, the study was analysed using correlation analysis and regression analysis. The study concluded that SACCO's financial performance had been affected by capital adequacy. The study found that the capital had a positive effect on the deposit taking in Kenya. The study failed to used secondary data to analyse data. The current study fill the gaps.

Nzioka (20118) considered data for the years 2010 to 2014 to discuss the impact of capital

adequacy on the financial performance of SACCOs in Kenya. A descriptive research design was done where the study investigated 175 SACCOs. Only secondary data was deemed fit to be analyzed through inferential statistics using Statistical Package for Social Sciences (SPSS) version 20.0. The study discovered that there was a weak negative relationship between ratio of Gross NPA / Gross Loans & advances and ROA implying that those banks which did not monitor their credit loans tend to be less profitable as compared to those which focused more on capital adequacy. It was also evident from the study that there was also a weak positive relationship between Total Investment Assets to Total Assets ratio and financial performance ROA of the said SACCO that, there was a strong significant relationship between financial performance and Total Non- Performing Assets to Total Assets ratio. This led to the conclusion that capital adequacy had a negative influence on SACCOs¹ financial performance as measured by ROA. It was therefore recommended that, in order for high assets quality levels to be achieved, improved investment assets levels and the low rate of non-Performing Assets are to be realized through credit risk identification, measurement, monitoring and controlling. The study failed to used correlation analysis. This current study sought to fill the gaps.

Lucky and Nwosi (2019) seeking the association between capital adequacy and financial performance of Savings and Credit Cooperative Societies (SACCOs) in Nigeria. The purpose of the study was to investigate the relationship between capital adequacy and the financial performance of 175 Savings and Credit Cooperative Societies (SACCOs) that were quoted in the period 1980 – 2013. The study relied on secondary data which were sourced from the annual reports of the SACCOs under study. Focusing on Return on Investment (ROI) as the dependent variable, the study used percentage of non-performing loans to Total Loans, percentage of Nonperforming Loans to Total Customers' Deposit (NPL//TCD), percentage of Loan Loss Provision to Total Asset (LLP/TA) and percentage of Loan Loss Provision to Total Loans (LLP/TL) to formulate a multiple regression model. The findings from the study indicated that that percentage of nonperforming Loans to Total Customers' Deposit and percentage of non-

performing loans to Total Loans have a positive significant influence on Return on Investment while percentage of Loan Loss Provision to Total Asset and percentage of Loan Loss Provision to Total Loans have anegative significant influence on Return on Investment of the Savings and Credit Cooperative Societies (SACCOs.

Swamy (2019) wanted to develop a model that links Savings and Credit Cooperative Societies (SACCOs capital adequacy and profitability. The main aim of the study was to investigate the determinants of SACCOs capital adequacy and profitability by employing using panel data techniques and robust data sets for the period between 1997 and 2009. The study revealed that priority sector credit had very little role to play in influencing non-performing assets (NPAs). It was also found out that bad debts are more influenced by the performance of the SACCOs industry, that it has become increasingly difficult for public sector banks to reduce bad debts compared to Savings and Credit Cooperative Societies (SACCOs), and this was attributed to the fact that Savings and Credit Cooperative Societies (SACCOs) have brought on board far superior risk management procedures and technology, which definitely allows them to finish with lower levels of NPAs. As far as the factors that influence profitability are concerned, the study found out that, whereas asset size has no significant influence on profitability, investment activity and capital adequacy have no influence on profitability of Savings and Credit Cooperative Societies (SACCOs). The study failed to used cross sectional design was not included in the but the current study used it.

2.2.5 Inflation rate and Financial performance

Zulfiqar and Din (2015) investigated the effect of inflation rate on financial performance of SACCOs of Pakistan textile industry. To conduct data analysis, multiple regression model analysis was used. According to the study findings, it was revealed that inflation rate was negatively though significantly related to financial performance of a SACCOs. Time series data set was used it appropriate to use Vector Error Correction Model in examining the long

run relation amongst inflation rate factors and performance of the SACCOs. The study failed to applied descriptive and correlation analysis which is good for measuring relationship of variables. The current study addressed the gaps by applies descriptive and correlation analysis which is good for measuring relationship of variables.

Badullahewage (2019), investigate the impact of inflation rate on financial performance of Deposit taking SACCOs in Sri Lanka. Studied inflation rate variables comprised of GDP, Money supply, interest and exchange rate. The study descriptive research design. Secondary data for period between 1990 and 2012 was used. The study discovered that there existed a strong relationship association amongst the inflation rate factors and financial performance; exchange rates were identified as factors with comparatively higher effects on inflation rate performance. The study was carried out in Sri Lanka. The current study was carried out in Kenya among the deposit Taking SACCO's to fill the gaps.

Alemu and Negasa (2015) examined the determinants of Inflation rate on financial performance of commercial banks in Ethiopia. The study relied on data from banks over the period 2002 to 2013. The research adopted a quantitative approach and utilized secondary data. The study used correlation analysis and descriptive statistics. The empirical results showed that industry specific, firm specific and macroeconomic variables have a notable influence on the FP of banks. Industry specific factors such as market share and ownership have a notable influence on the bank. However, inflation rate showed insignificant and positive relationship for FP given by ROA. The management of banks has control over firm's specific factors and thus it is possible to improve the performance by focusing on these factors for example bank size and capital structure. Predicting the effect of macroeconomic variables on bank performance can help commercial banks to improve their profitability. Moderating variable was ignored in the study. The current study used Inflation rate as moderator in the research to fill gaps.

Baba and Nasieku (2016), examined the effect of Inflation rate on the performance of Nigerian banks. The study adopted an explanatory research design and relied on secondary data gathered from banks annual reports, World Bank, Nigerian bureau of statistics and research centers. 23 licensed banks in Nigeria participated in this study. The study used ROE as a measure of performance. The empirical findings indicated that exchange rate, unemployment rate, and interest rate are adversely and significantly related with the FP of banks while inflation rate has an insignificant relationship. An increment in exchange rate positively affects the performance of banks while an increment in the interest rates deteriorates financial performance. The study also failed to use a larger sample size which is being used in the current study.

Chimkono (2017) studied the impact of inflation rate on financial performance of companies in Malawi. Secondary data was gathered from audited financial reports and covered a fifteen years period from 2000 to 2014. The study used descriptive research design. The population of study constituted companies licensed in Malawi. Publications prepared by the World companies and reserved companies of Malawi were also used as sources of data. The study revealed that independent variables (lending interest rate, cost efficiency and asset quality) have a significant effect on the financial performance of Companies. Moderating variables (economic growth) has a significant effect on the independent variables. The study additionally revealed that the credit adversely influences the performance of companies. The study used economic growth as moderating variable while the current study used inflation rate moderating in the research to fill gaps.

Obeng-Krampah (2020) looked at the relationship between inflation rate factors and the success of companies listed on the Ghana Stock Exchange. Both ROA were used to assess financial performance, and they served as the dependent variables. The primary inflation rate factors, which included interest rate and currency rate, were the independent variables. Panel data from the years 2007 to 2015 were used. The study made a significant connection between

inflation rate variables and firm performance and further argued that while inflation rate alone lacks sufficient explanatory power to explain variations in firm performance, combining it with financial indicators like firms' dividend pay-out, growth in company sales, leverage, and total assets offers a significant amount of explanatory power. The study also discovered that while interest rates have a negative impact on ROE, inflation has a negative impact on ROA. Descriptive statistics and correlation statistics were not used in the study. The current study used both correctional and descriptive statistics in the research to fill gaps.

Ng'ang'a (2020), undertook a study to examine the impact of inflation rate on performance of Insurance industry in Kenya. The performance was regressed against the credit risk indicators; average interest rates as computed by Central Bank rate, real exchange rates, GDP growth rate, was calculated by CPI and unemployment rate. The study applied a descriptive research design. It utilized secondary data collected quarter yearly. The study was done in a ten-year period from 2006 to 2015. The data was analyzed though use of descriptive analysis, correlation and multiple regression analysis. Findings reveal that exchange rate, interest rates, and unemployment rates are not significant predictors of insurance industry's financial performance. The study failed to use cross sectional research design. The current study used cross sectional research designs to fill the gaps.

Ball and Pitchford (2018) analyzed the impact on inflation rate and financial performance in Philipines. The study focused on the consumption exports, which was a small proportion of its total output and therefore the domestic demand wouldn't influence the price of the commodities. The study that domestically generated inflation would arise from the behavior of domestic goods, prices and wages that were controllable by the monetary and fiscal policies. The findings of the study indicates that a rise in import prices would affect equilibrium and thus creating excess supply. Therefore, the inflation rate would fall and affect the balance of payments in the economy leading to a fall in domestic prices and this had an impact on the

profit levels.

Wamucii (2019) analysed the ten (10) year relationship between inflation rate and the financial performance of commercial banks in Tunisia. The analysis of the data was done through regression of inflation against the commercial banks' economic performance for the period under analysis. The findings indicated that there was an inverse relationship between inflation and financial performance and therefore, he concluded that as inflation decreased, the profits for the same period increased. This study did not clearly identify the relationship between inflation rates and how they influence profitability since there are other factors such as the negative impact of inflation that discourages investment and saving influences growth and performance. The study covered the period between 2000 and 2009 while this study will cover the period between 2013 and 2017. Different periods produce different results since inflation is calculated from the weighted average of selected price changes that are modified over time and therefore, the current period will provide the calculation of a more accurate inflation rate. Consequently, this period will give a conclusive comparison between inflation and profitability. Inflation, the was a limitation to only three variables used, which were assets, profits and cash flows and this this study will focus on more control variables to give an extensive comparison of this relationship.

Vena (2012) analysed the impact of inflation rate on the yields of companies listed in Kenya. She observed that inflation rate was a major problem in Kenyan and with a rise in inflation there was a corresponding rise in the CPI due to the rising interest rates resulting to a fall in price of shares for the listed companies. Since the overall goal of a company is wealth maximization, with the fall in the share price there was a fall in the returns for the companies. The study was conducted between 1998 and 2013 and the researcher used the GARCH model that highlighted the effect of inflation on firms' yields. The findings indicated that inflation has an adverse effect on profitability and it was concluded that stock returns are low when there

is high inflation since investments are moved from stock exchange into business ventures that are not influenced by inflation. The study did not show a clear effect of inflation on the stock market return and volatility which ultimately influence the profitability of the firms.

Derrick Adul *et. al*, (2016) assessed the effect of inflation rate on financial performance of Ghananian banks from 2004 – 2013 by using panel data five banks. Pooled, random effects and generalized moment method (GMM) models were used estimate the effect of inflation on financial sector results. The quadratic function was used to estimate thresholds beyond which the financial sector performance is detrimental. They concluded that inflation rate would continue to have a positive impact on the financial sector development, except it hits a 15% threshold. To support the development of the financial sector, the study recommends a minimum threshold not above 15 per cent of inflation rate.

Kiganda (2019) also did a study focusing on inflation rate and profitability of commercial banks in Kenya while Equity bank limited was the research focus. Yearly data was used in the study which covered the period 2008 to 2012. Multiple regression model was adopted for the study where the results indicate that inflation rate has an insignificant positive influence on the profitability of banks with emphasize on one bank that is Equity Bank Limited. This study was however focused on Equity Bank Limited and hence this cannot be extended to commercial banks in Kenya.

Ongore and Kusa, (2018) in her study on the relationship between inflation rates and liquidity of companies quoted at the Nairobi Stock Exchange observed that the overall inflation rates influence the stock market liquidity at varying degree depending on segment. Regression models were developed using monthly inflation rates as independent variable and both segment wise and market wide trading volume as dependent variable. The statistical method vector auto regression (VAR) was used to find and analyse the association. Interview was also conducted

to gather opinions of investors in stock exchange of Thailand on how inflation affects equity value. The findings demonstrate that movement to stock prices is irrelevant to inflation.

Mcmillian and Schumacher, (2020), conducted a study Inflation rate on performance of deposit taking Saccos before and after the last five general elections in Kenya namely 2011 and 2015. The deposit taking saccos month end indices for the period between 31st January 1991 and 30th September 2008 obtained from the deposit saccos were analysed using line graphs, percentages, mean , variance and other statistical measures. The study results indicate the deposit taking saccos performance was influenced by the political activities and expectations around the election period in the short term. The study also reveals that the first two years after election performed better than the last 2 years before the next general election. The study failed to used statistics analysis. This current study sought to fill gaps.

2.2.6 Financial performance

Norseen *et al.*, (2018) evaluate the study on the impact of finance/ial performance on leverage of deposit-taking SACCOs in Pakistan from 2010 to 2012. Forty SACCOs registered with SASRA were sampled for the study. The analysis made use of secondary information gathered from the organizations' financial statements. The study used an analytical and descriptive research approach. The study found a link between leverage (as determined by the debt-to-equity ratio), return on equity, and profit after taxes. Leverage, return on assets, and income growth all have a strong and positive correlation. The study's 40-person sample size was too small to provide accurate data.

Bandari (2013) investigated the effects of financial performance on deposit-taking SACCOs' solvency ratios in US. Panel study design was used as an explanatory strategy. The financial statements of 120 SACCOs in the US were collected from the CBK and commercial bank survey for 2009 since the study was interested in the years 2002 to 2008. To examine the data and demonstrate the link between the research variables, multiple linear regression was

utilized. The study discovered that the financial performance of commercial banks in the United States is significantly negatively impacted by asset quality. However, before performing the inferential analysis, the study did not perform diagnostic tests. Additionally, the moderating effects of inflation in the sought-after relationships between the variables were not considered in the aforementioned study. Correlation analysis was not used in the research. The current study applied correctional analysis to fill the gaps.

Almazari and Alamri (2014) conducted research the factors that determine the Saudi Arabian commercial banks' solvency in terms of financial performance. The study covered the years 1999 to 2006, and it employed a panel of 16 commercial banks that was imbalanced and included of participants from 42 different nations, including Saudi Arabia. The study's analysis was conducted using random effect panel techniques. The study's factors included GDP, bank size, operational effectiveness, liquidity ratio, and capital sufficiency. The study's findings suggest that solvency has a negative, considerable impact on the financial performance of commercial banks. This research used panel regressions analysis which highlights the relationship between variables and failed to use correction analysis which is bring out the addressed by the current study.

Bosede *et al.*, (2016) looked at the impact of financial performance on the banking sector's capital adequacy in Nigeria. Annual data were used in the study. During the years 1994 through 2011 on the four biggest banks. Over 70% of Nigeria's financial assets are held by these four biggest banks. Asset quality, liquidity, capital sufficiency, and bank earning capacity were considered as independent factors in the study, while the dependent variable was bank financial performance. ROE was the gauge of financial performance utilized. The study discovered that adequate capital has a considerable detrimental impact on ROE. Because the study was focused on Nigeria, the conclusions may not be applicable to Nigeria as a whole. The panel regression

data in the research were not used. The current study used panel regression data in the research to fill the gaps.

Dore (2018) investigated how Ghanaian commercial banks' financial performance was impacted by their liquidity ratio. The sample size for the study was 20, and the research design was descriptive. The outcome showed indicates the Ghanaian commercial banks' financial performance and the liquidity ratio have a poor and negligible connection. This shows that there is no causal connection between Ghanaian commercial banks' financial performance and liquidity ratio. The study only employed a 20-person sample size. The current study employed a larger sample size of 61 in the research to fill study.

Onyango (2019) looked at the effect of financial performance on the leverage of deposits taken by Savings and Credit Co-operative Societies In Nairobi County, Kenya, from 2010 to 2014, The research used borrowings, leverage, asset adequacy, profits, and liquidity to evaluate wealth. The study was descriptive statistics in nature. The 43 SACCOs in Nairobi County with valid licenses as of December 2014 were the study's target population. The analysis of the study's primary and secondary data using ANOVA. According to the report, SACCOs' wealth's leverage ratio has been rising yearly during the research period. The study found that the leverage ratio of wealth is positively and significantly impacted by external factors. The study descriptive statistical analysis and failed to used inferential statistics analysis which brings out the associative power between the dependent and independent variables

2.3 Research Gaps

Bourke (2013) The relationship solvency and banks profitability for 90 banks in Europe. Used a multiple regression model to investigate performance. The failed to apply descriptive and correlation analysis which is good for measuring relationship of variables. The current study addresses the gaps by using up to date data and adopting descriptive and correlation analysis.

Graham and Brodeleau (2013) The impact of solvency on financial performance of financial institutions in Canada. The study used target population of 19 financial institutions in the Canada securities exchange for period covering 2010 to 2014. The study used a smaller sample size of 19 to analysis data and hence the findings cannot be reliable. The current study uses sample size of 61 which inferences to the larger population.

Abera (2014) Affecting solvency on profitability of banking industry in Ethiopia. Mixed methods research approach by combing documentary analysis and in-depth interviews eight commercial banks in Ethiopia. The study incorporated inferential analysis tools such as (correlation, simple and multiple regression) in the current study to enhance generalizations and conclusions. The study came to the conclusion that further research is needed to clarify the effect of Ethiopian banks' solvency on their performance.

Kamoyo (2016) determinants of solvency on financial performance of deposit taking SACCOs in Kenya. The study used a multiple regression model to investigate financial performance and failed to use correlation analysis and panel regression model limit generalization ability. The current study applies correlation and panel regression model as well which allow inferences to the larger population.

Ongore and Kusa (2017) The determinants of solvency on financial performance of commercial banks in Kenya. Explanatory research design, sample 37 multiple regression model and generalized Least Square on panel data The study did not include correlation analysis which deals with association of independent variables and dependent variables. The current study addresses the correlation analysis from local perspectives to address the gaps.

Macharia (2017) Examine the relationship between the profitability and solvency of Savings and Credit Co-operative Societies in Kenya. The population of the study was comprised all 43 Savings and Credit Co-operative Societies in Kenya operating in the years 2008 to 2012 The

study used a smaller sample size of 43 to analysis data and hence the findings cannot be reliable.

The current study try to fill the gaps in the research.

Ibe (2011) Determine the impact of liquidity on the profitability of banks in US. A sample size of 43 banks was used for the study in US. The study used a smaller sample size 43 to analysis data and hence the findings cannot be reliable. Current study targets sample size of 61 which larger enough.

Al Nimer *et. al,* (2015) Effect of liquidity on financial performance of SACCOs in Jordanian as evident on ROA. A sample of forty listed SACCOs. The study used a smaller sample size 40 to analysis data and hence the findings cannot be reliable. The current study fills the gaps by considering annual statement documents from the SACCOs.

Mishra and Pradhan (2015) Impact of liquidity management on profitability among the private sector SACCOs of India. The study used inferential statistics to analysis the data but the study failed used both inferential statistics and descriptive statistics to analysis data in the research. The current study filled the gaps by considering both inferential statistics and descriptive statistics to analysis data in the research.

Moussa and boubaker (2017) Impact of liquidity on SACCOs profitability suing data for eighteen SACCOs in Tunisia. Used 2 models of penal statistics. The study failed to use correlation statistics which is good measuring association of variables. The current study included correction analysis in the research to fill the gaps.

Vaita (2019) The role of liquidity on financial performance of Tier One Listed SACCOs in Kenya. Used a descriptive research design to SACCOs in Kenya. The study failed to use cross sectional research design The current student used cross sectional research to fill the gaps.

Rajkumar(2014) Effect of leverage ratio on financial performance of deposit taking SACCOs in Sri Lanka. study used target population of 60 of DTS, regression and correlation analyze.

The study failed to used descriptive statistical analysis is used to describe variables. The study was conducted in Sri Lanka thus presenting a scope gap. The current study was conducted in Kenya.

Bhardwaj (2017) examined of leverage on financial performance of deposit taking SACCOs in India. The sampled of 40 SACCOs registered by SASRA operating in Kenya from the period of 2006 to 2010 and the study used a smaller sample size of 40 which is not wider enough to give a good result for research. This current study used sample size of 61which was wider enough to give a good result for research.

Zahoor *et. al*, (2015) The effect of leverage ratio on financial performance of Pakistan firms. Used Panel da from 154, descriptive analysis and inferential analysis of textile firms quoted at the Karachi Stock Exchange KSE). The study failed to use panel regression analysis. The study focused on textile companies thus presenting a scope gap. The current study focused on Deposit Taking SACCOs in Kenya to fill the gaps.

Gudeta (2013) The impact of leverage ratio on the financial performance of commercial banks in Ethiopia. Used sample size of 44 banks over a 5 years term 2008 to 2012, descriptive and multiple regression was used. The study failed to use correlation statistics which good measuring association of variables. The current study used correction statistics in the research to the gaps.

Abubakar (2015) The link between leverage ratio and financial performance of banks in Nigeria. Regression analysis was used. The study failed to use correlation statistics and descriptive statistics. The current study employed both statistics in research to fill the gaps.

Khalifa Tailab (2012) evaluate of capital on financial performance of SACCOs in America. The study employed quasi experimental research design in the research and The study failed

to used cross sectional research design. The current study applied cross sectional research design on SACCOs.

Haris *et. al.*, (2014) the influence of capital adequacy on the profitability of Pakistani SACCOs. The influence of capital adequacy on the profitability of Pakistani SACCOs, but the study used primary data from the questionnaire and interview. The current study used secondary data to fill gaps.

Rahman (2017) The effect of capital adequacy ratio on the performance of mid-tierSACCOs in Bangladesh. The data using descriptive and inferential statistics. The study failed to use research design such as cross sectional research design. The current study used a larger sample size which is good to give out different outcome.

Zerfeshewa (2017). Influence of capital adequacy on banks' profitability in Ethiopia. The study used Employed descriptive research design, secondary data. The study failed to use cross sectional research design. The current study used cross sectional research design to fill gaps.

Aymen (2018). The relationship between profitability and capital adequacy of Credit Cooperative Societies (SACCOs in Tunisia. The study ran a regression model. The study failed to use correlation statistics and descriptive statistics. The current study used both statistics to fill gaps.

Suka (2019) Influence of capital adequacy on financial performance of financial institution quoted at the Nairobi stock exchange. Descriptive research design was employed The study failed to use cross sectional research design. The current study was carried on SACCOs to fill the gaps.

Zulfiqar and Din (2015) Effect of inflation rate on financial performance of SACCOs of Pakistan textile industry. The study used a multiple regression model to investigate financial performance and the study failed to applied descriptive and correlation analysis which is good

for measuring relationship of variables. The current study addressed the gaps by applies descriptive and correlation analysis which is good for measuring relationship of variables.

Baba and Nasieku (2016) Effect of Inflation rate on the performance of Nigerian banks. 23 licensed banks in Nigeria participated in this study The study focused only on the smaller sample size of 23 of licensed banks in Nigeria. The study also failed to use a larger sample size which is being used in the current study.

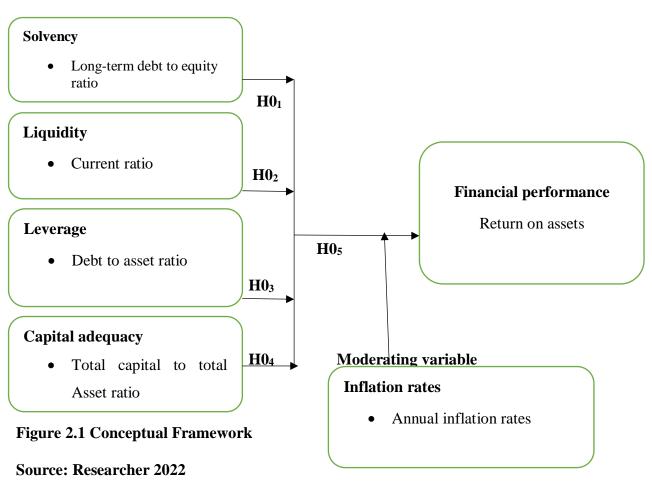
Obeng-Krampah (2020) Effect of inflation rate variables and performance of firms quoted on the Ghana Stock Exchange. Panel data were used of the period 2007 to 2015. The study failed to use correlation statistics and descriptive statistics. The current study used both correctional and descriptive statistics in the research to fill gaps.

2.4 Conceptual Framework

The conceptual framework of this study spells out the relationship between the Financial Performance which is the dependent variable and Solvency, Liquidity, Leverage and Capital Adequacy as the independent variables all practices combined are assumed to have effect on Deposit taking SACCOs.

Independent variables

Dependent variables



Deposit-taking SACCOs are said to be solvent when their overall assets exceed their present obligations and they are able to pay their bills. A SACCO's capacity to access loans, funding, and investment capital is impacted by its level of solvency, which reflects the SACCO's short-and long-term financial health and stability. Given that stakeholders are also interested in SACCO solvency, solvency can impact how well a deposit-taking SACCO performs. While the financial performance of deposit-taking SACCOs declines, solvency rises.

By calculating indicators such as the current ratio, quick ratio, and operating cash flow ratio, liquidity assess a company's capacity to service debt and its margin of safety. The greater the quick ratio and current ratio, the stronger the company's financial standing. However, a SACCO that lacked the managerial skills to put those resources to use may have a very high current ratio as a sign that company is sitting on a lot of cash.

A leverage is any of a number of financial metrics that examine the amount of capital that originates from debt (loans) or evaluates a company's capacity to satisfy its financial commitments. Because businesses often employ a combination of debt and equity to fund their operations, the leverage category is crucial. Knowing how much debt a company has may help determine if it was able to pay off its loans when they are due. As soon as the leverage decreases, financial performance followed suit. Conversely, when the leverage rises, financial performance is anticipated to follow suit. SACCOs perform worse financially when their leverage is higher, but it also allows them to accumulate bigger capital reserves and weather financial crises more readily. A lower leverage can improve SACCOs' financial performance, but it can also leave them with fewer capital reserves and make it impossible for them to weather a financial catastrophe.

The ratio of a deposit-taking SACCO's primary assets to its assets (loans and investments) is known as capital adequacy, and it is used to assess a SACCO's financial performance or the stability of its finances. Financial performance of SACCOs that have a high capital adequacy It has been demonstrated that economies with better capital adequacy have greater sustainability, efficiency, and reach. The better the SACCOs are able to withstand potential losses, the higher their capital adequacy must be one of the fundamental capital strength ratios. It is anticipated that when the ratio increases, the SACCO's financial performance would improve and its demand for outside financing decreased. This demonstrates the SACCO's capacity to manage current exposures and absorb losses. For SACCOs, having more capital adequacy is frequently seen to be expensive, which implies that having more capital adequacy hinders financial performance.

CHAPTER THREE

RESEARCH METHODOLOGY

3.1 Research Philosophy

The formation of knowledge that researchers use in their study is referred to as research philosophy (Saunders *et. al*, 2007). Positivism is the one philosophical research philosophies. The purpose of this study is to examine credit risk management practices and determine how it affects the financial performance of DT SACCOs in Kenya. In order to establish some "law-like generalizations," the positivist philosophies was used in this study to gather reliable data from the DT SACCOS. This philosophy is grounded in theories that may be utilized to create hypotheses that can be evaluated to provide statistical support for conclusions drawn from the experimentally testable hypothesis (MCMillan & Schumacher, 2010).

According to the research philosophy of positivism, the only knowledge is something that can be observed and measured, using the senses. According to this theory, the researcher's job is limited to gathering data and interpreting it objectively. The study findings are often observable and quantitative (Manduku, 2020). As a result, the researcher must make sure to remove human interest from the study while remaining independent from it. Dudovskiv (2016) begins by emphasizing that positivism-based research is often grounded on verifiable facts and assumes that the world is external and objective. According to Alexander and Dmitry (2013), this research philosophy is quantitative and uses highly organized procedures for evaluating hypotheses. Murithi (2016) used the positivist research methodology in her study titled "Effect of the financial risk on the financial performance of SACCOs in Kenya was studied using positivism. These are example philosophy of positivism was used in the study: Ontology, epistemology and Axiology.

Ontology is the nature of existence. Ontology is divided into schools of thought: realism and relativism, which believe that there is one fixed reality and multiple realities, respectively. The

first school of thought holds that there is only one truth that never changes, whereas the second holds that there are multiple realities and that the truth evolves and changes based on the researcher's perception (Kauna, 2017).

The study of the nature of knowledge is known as epistemology. Its research focuses on the methods for acquiring knowledge and distinguishing between truth and falsehood. Epistemology is fundamental to understanding how and why we think, or how we acquire knowledge, rely on our senses and from concepts in our minds. From an epistemological standpoint, the research can adopt passivism, in which the research is a simple reality (Akira, 2014).

Axiology is the evaluation of the function of the researcher's own point of view at all stages of the research procedure. It focuses on what the researcher values in his or her research. The study adopted the positivist approach, which advocates for the application of techniques from natural sciences to the investigation of social reality and history (Ryan, 2018).

3.2 Research Design

Research design can be defined as the method used to carry out the entire research or the way the research is designed (Ezeoha, 2011). This study adopted cross sectional research designs. The study was cross sectional because it used data from various Deposit Taking SACCOs under study over a five year period, that is, from 2016-2020 (Kothari 2004). The study by Barasa (2017), adopted cross sectional research design in his research entitled effect of credit risk on financial performance of SACCOs in Kenya.

3.3 Study Area

The study was carried out in Deposit Taking SACCOs registered under SASRA in Kenya for period of five years from 2016 to 2020. According SASRA, there are 164 Deposit Taking

SACCOs registered in Kenya. Kenya is located in East Africa, it borders South of Ethiopia, Somalia to west, Tanzania to the south and Uganda to the east. The 164 Deposit Taking SACCOs were on actively operation in Kenya as at 31 Dec 2020.

3.4 Target Population

A population is a set of events, services, things or households or a set of people that is well defined and being investigated (Ngechu, 2004). The target population for this study was all the Deposit Taking SACCOs which were in operation from 2016 to 2020. The latest listing as at December 2020 had 164 Deposit Taking SACCOs. The target population of 164 SACCOs has been shown on Appendix III. These 164 SACCOs operated continuously from 2016 to 2020.

Table 3.1

Target Population

Deposit Taking SACCOs	Number of SACCOs	
Teacher based SACCOs	36	
Government based SACCOs	38	
Farmers based SACCOs	55	
Private Institutions based SACCOs	14	
Community based SACCOs	21	
Total	164	

Source: SASRA 2020

3.5 Sampling design

3.5.1 Sample Size

The sample size of 61 Deposit Taking SACCOs participated in the study. The study used scientific formula by (Kothari, 2004) to determine the sample size as follows: According to Rose Loru (2020) who applied Kothari formula in her study indicated that, the formula is useful

in determining a sample size form a target population that is fairly large. It gives equal representation and eliminates biasness.

$$n= \frac{Z^2pqN}{e^2(N-1) + Z^2pq}$$

Where;

N is the size for a population which is the number of deposit taking SACCOs

n is sample size

p+q is population reliability (or frequency estimated for a sample size n), where is 0.5

$$p+q=1$$

e is margin of error considered is 10% for this (1/10)

Z = is level of significance (1.96)

$$n = Z^2 pqN$$

$$e^2(N-1) + Z^2pq$$

 $= (1.96)^2 \times 0.5 \times 0.5 \times 164$

$$(0.1)^2 (164 - 1) + (1.96^2 \times 0.5 \times 0.5)$$

 $= 3.8416 \times 0.25 \times 164$

$$(0.01 \times 163) + (3.8416 \times 0.25)$$

= 157.5056

1.63 + 0.9604

= 157.5056

2.5904

= 61

The sample size was 61 Deposit taking SACCOs in Kenya operating from 2016 to 2020 as shown on appendix IV

sample size

Table 3.2

Number of SACCOs
13
14
21
5
8
61

Source: Researcher 2020

3.5.2 Sampling frame

Caselli and Negri (2018), defined a sampling frame as a schedule or list of events, people, things that are relate to the entire population from where a sample is selected. The sample frame for the study was all the Deposit Taking SACCOs which are operating in Kenya over the period 2016-2020.

3.5.3 Sampling Procedure

A sampling procedure is a method or technique for selecting a subset of a population to take part in a research; it is the process of picking a number of people in such a manner that they fairly and transparently reflect the broader group that was chosen (Ogula, 2005). The study obtained a complete list of Deposit Taking SACCOs that were operating in Kenya as at December 2020. From this list, the researcher identified those Deposit Taking SACCOs which continuously SACCOs from 2016 up to the year 2020. The study adopted stratified random sampling technique to select 61 SACCOs from 164 SACCOs which continuously operated from 2016 up to the year 2020.

3.6 Data collection

The study employed the use of secondary data. These data was collected from the published annual financial statements of the SACCOs. Specifically, the balance sheet and income statements over the years under study (2016-2020) was extracted so as to provide the necessary data. From these quantitative data, Return on Assets (ROA), was calculated and used to make conclusions. The data was collected using document analysis guide.

3.7 Data Analysis and Presentation

The study used descriptive and inferential statistics to analyze data. In descriptive statistics, the study applied minimum, maximum, mean and standard deviation. Further, the study applied simple regression, multiple regressions and Pearson product moment correlation analysis was used to assess the effect of the independent variable on the outcome in the study. Correlations analysis was used to measure the association between the variable and quantitate the strength of their relationship. Regression analysis was adopted to determine the effects of independent variables on financial performance of DT SACCOs.

3.7.1 Analytical Model

The empirical model was used in the study to test the relationship between credit risk management practice and financial performance of deposit taking SACCOs in Kenya. There are various variables which was calculated so as to disclose the association between the variables under study. To begin with, the end year annual measures of solvency was the Total Debt to by total Equity, and Long-Term debt to total Equity, liquidity was measured by calculating the, Current ratio, quick ratio. Leverage was given by taking Debt to Asset ratio, Debt To Capital ratio and capital adequacy calculated by Total capital to total Asset ratio, Total Deposit to total Equity and financial performance was measured by Return on asset. Panel data.

The Panel regression model used was as follow;

To establish objective one and test out its hypothesis which sought to establish the relationship between solvency and financial performance deposit taking SACCOs in Kenya, the following simple regression model used was:

$$Y_{it} = \alpha + \beta_1 X_{1it} + \epsilon_{it}$$
 Equation (3.1)

Where:

Yit = Financial performance of deposit taking SACCOs I for t year,

 α = Constant (coefficient of intercept),

 B_1 = change in deposit taking SACCOs financial performance for I unit increment change in X_1 it, that is, solvency which predicts the value of deposit taking SACCOs I for years t., years $\dot{\epsilon}_{it}$ = the error term reflecting other factors outside the model that affects deposit taking SACCOs I for years t., years

To establish objective two and test out its hypothesis which sought to establish the relationship between liquidity and financial performance deposit taking SACCOs in Kenya, the following simple regression model used was:

$$Y_{it} = \alpha + \beta_2 X_{2it} + \dot{\epsilon}_{it}$$
 Equation (3.2)

Where:

Yit = Financial performance of deposit taking SACCOs I for t year,

 α = Constant (coefficient of intercept)

 B_2 = change in deposit taking SACCOs financial performance for I unit increment change in X_{2it} = score on the liquidity which predicts the value of deposit taking SACCOs I for years t., years

 $\dot{\epsilon}_{it}$ = the error term reflecting other factors outside the model that affects deposit taking SACCOs I for years t., years

To establish objective three and test out its hypothesis which sought to establish the relationship between leverage and financial performance deposit taking SACCOs in Kenya, the following simple regression model used was.

$$Y_{it} = \alpha + \beta_3 X_{3it} + \dot{\epsilon}_{it}$$
 Equation (3.3)

Where:

Yit = Financial performance of deposit taking SACCOs I for t year,

 α = Constant (coefficient of intercept)

 B_3 = change in deposit taking SACCOs financial performance for I unit increment change in X_{3it} = score on the leverage which predicts the value of deposit taking SACCOs I for years t., years

 $\dot{\epsilon}_{it}$ = the error term reflecting other factors outside the model that affects deposit taking SACCOs I for years t., years

To establish objective four and test out its hypothesis which sought to establish the relationship between capital adequacy and financial performance deposit taking SACCOs in Kenya, the following simple regression model used was.

$$Y_{it} = \alpha + \beta_4 X_{4it} + \dot{\epsilon}_{it}$$
 Equation (3.4)

Where:

Yit = Financial performance of deposit taking SACCOs I for t year,

 α = Constant (coefficient of intercept)

 B_4 = change in deposit taking SACCOs financial performance for I unit increment change in t., years

 X_{4it} = score on the capital adequacy which predicts the value of deposit taking SACCOs I for years t., years

 $\dot{\epsilon}_{it}$ = the error term reflecting other factors outside the model that affects deposit taking SACCOs I for years t., year

To establish the combined effect on the relationship between inflation rate and financial performance of deposit taking SACCOs in Kenya and test its hypothesis, the following multiple regression model used was:

$$Y_{it} = \beta_0 + \beta_1 X_{1it} + \beta_2 X_{2it} + \beta_3 X_{3it} + \beta_4 X_{4it} + \epsilon_{it}$$
.....Equation (3.5)

Where

Yit = Financial performance of deposit taking SACCOs I for t year,

 β_0 = Constant (coefficient of intercept)

Therefore, the interaction term between predictor and moderating variables multiplying the two variables that produced an interaction effect as specific model. To establish the moderating effect of credit risk management practices on financial performance of deposit taking SACCOs in Kenya. Hierarchical regression Model was used.

$$Y_{it} = \beta_0 + \beta_1 X_{1it} I_+ \beta_2 X_{2it} I_+ \beta_3 X_{3it} I_+ \beta_4 X_{4it} I_+ \dot{\epsilon}$$
.....Equation (3.6)

Where:

Yit = Financial performance of deposit taking SACCOs I for t year,

 $B_o = Constant$ (coefficient of intercept)

I = Inflation rate

An Analysis of Variance (ANOVA) test was run to determine the significance of the independent variables on the dependent variables. F-test was used to test the hypotheses.

3.7.2 Hypothesis Testing

Table 3.3:

Summary of Statistical Tests for Hypotheses and Interpretations

Objectives	Hypotheses	Statistical Test	Model	Interpretation
To establish	H ₀₁ : Solvency	Simple	Simple	Change in (R ²)
objective one	has no	Regression	Regression	value. If β for
and test out its	statistically	Analysis	Analysis	Solvency are
hypothesis	significant		$Y_{it} = \alpha + \beta_1 X_{1it} +$	positive F, β and
which sought to	effect on		έ _{it}	are significant
establish the	financial			$(p \le 0.05)$. Then,
relationship	performance of		Where:	Solvency

between solvency and financial performance deposit taking SACCOs in Kenya	Deposit Taking SACCOs in Kenya		Yit = Financial performance α = Constant (coefficient of intercept) B_1 = change in deposit taking SACCOs financial performance	positive and significant relationship on financial performance
To establish objective two and test out its hypothesis which sought to establish the relationship between liquidity and financial performance deposit taking SACCOs in Kenya	H ₀₂ : liquidity has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya	Simple Regression Analysis	Simple Regression Analysis $Y_{it} = \alpha + \beta_1 X$ $_{1it} + \epsilon_{it}$ Where: $Yit =$ Financial performance $\alpha = Constant$ (coefficient of intercept) $B_1 = change$ in deposit taking SACCOs financial performance $X_{1it} = score$ on the solvency $\epsilon_{it} = the$ error term Simple Regression Analysis $Y_{it} = \alpha + \beta_1 X$ $_{1it} + \epsilon_{it}$ Where: $Yit =$ Financial performance $\alpha = Constant$ (coefficient of intercept) $B_1 = change$ in deposit taking SACCOs financial performance	Change in (R²) value. If β for liquidity are positive F, β and are significant (p≤0.05). Then, liquidity positive and significant relationship on financial performance

To establish objective three and test out its hypothesis which sought to establish the relationship between leverage and financial performance deposit taking SACCOs in Kenya	H ₀₃ : leverage has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya	Simple Regression Analysis	$X_{1it} = score \ on$ the liquidity $\acute{\epsilon}_{it} = the \ error$ term Simple Regression Analysis $Y_{it} = \alpha + \beta_1 X_{1it} + \acute{\epsilon}_{it}$ Where: $Yit = Financial$ performance $\alpha = Constant$ (coefficient of intercept) $B_1 = change \ in$ deposit taking SACCOs financial performance $X_{1it} = score \ on$ the leverage $\acute{\epsilon}_{it} = the \ error$ term	Change in (R²) value. If β for leverage are positive F, β and are significant (p≤0.05). Then, leverage positive and significant relationship on financial performance
To establish objective four and test out its hypothesis which sought to establish the relationship between capital adequacy and financial performance deposit taking SACCOs in Kenya	H ₀₄ : capital adequacy has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya	Simple Regression Analysis	Simple Regression Analysis $Y_{it} = \alpha + \beta_1 X_{1it} + \epsilon_{it}$ Where: $Yit = Financial$ performance $\alpha = Constant$ (coefficient of intercept) $B_1 = change$ in deposit taking SACCOs financial performance $X_{1it} = score$ on the capital adequacy $\epsilon_{it} = the$ error term	Change in (R ²) value. If β for capital adequacy are positive F, β and are significant (p≤0.05). Then, capital adequacy positive and significant relationship on financial performance

To establish the combined effect on the relationship between inflation rate and financial performance of deposit taking SACCOs in Kenya and test its hypothesis	H ₀₅ : Inflation rate has no moderating effect on the relationship between credit risk practices on financial performance of Deposit Taking SACCOs in Kenya	Multiple Regression Analysis	Multiple Regression Analysis $Y_{it} = \beta_0 + \beta_1 X_{1it}$ $+ \beta_2 X_{2it} + \beta_3 X_{3it}$ $+ \beta_4 X_{4it} + \epsilon_{it}$ Where: $Yit = Financial$ performance $\beta_0 = Constant$ (coefficient of intercept) $B_1 - B_4 = change$ in deposit taking SACCOs financial performance $X_{1it} = score$ on the solvency $X_{2it} = score$ on the liquidity $X_{3it} = score$ on the leverage $X_{4it} = score$ on the capital adequacy $\epsilon_{it} = the$ error term	Change in (R ²) value. If β for solvency, liquidity, leverage and capital adequacy are positive and t are significant (p≤0.05) solvency, liquidity, leverage and capital adequacy has a positive and significant relationship on financial performance
To establish the moderating effect of credit risk management practices on financial performance of deposit taking SACCOs in Kenya		Hierarchical Regression Analysis	Hierarchical Regression Analysis $ YI_t = \beta_0 + \beta_1 X_1 I_t $ $ I_t + \beta_2 X_2 I_{tII+} $ $ \beta_3 X_3 I_{tI} + \beta_4 X_4 I_{tI} $ $ + \acute{\epsilon} $ Where: $ Yit = Financial $ $ performance of $ $ deposit taking $ $ SACCOs $ $ B_o = Constant $ $ (coefficient of $ $ intercept) $ $ B_1 - B_4 = change $ $ in deposit taking $ $ SACCOs $	If change in (R ²) after adequate interaction term(F, β, t) (p≤0.05). Then, Inflation rate has moderating effect on the relationship between credit risk practices on financial performance of Deposit Taking SACCOs in Kenya

financial
performance
X_{1it} = score on
the solvency
X_{2it} = score on
the liquidity
X_{3it} = score on
the leverage
X_{4it} = score on
the capital
adequacy
I = Inflation rate
$\dot{\varepsilon}_{it}$ = the error
term

Source: Researcher 2020

3.8 Diagnostic Test

The study carried out diagnostic test to validate the model and make inferences possible for the researcher. Linearity, normalcy auto-correlation, multi-collinearity, and homoscedasticity are some of the fundamental presuppositions of linear regression. The study results are likely to provide skewed estimations of the parameters when these assumptions are broken. Saunders *et. al.* (2007).

3.8.1 Test of Autocorrelation

Data must have little to no autocorrelation in order to do regression analysis. When the residuals are not zero, autocorrelation arises apart from one another. Most statistical methods presume independent observations. Using Durbin-Watson d statistics, the independence test for each of the four predictor variables was carried out. When independent variables repeat themselves or have an impact on one another and are unable to sufficiently predict the dependent variables, the Durbin-Watson test is utilized. Tests of autocorrelation have been shown to be important for demonstrating the distribution of disturbance, according to Srivastava et al., (2005) (errors). Before developing least squares strategies for estimating "a" and "b," it is crucial to establish if there are any auto-correlated disturbance terms in the series. The Durbin-Watson statistics value varies from 0 to 4, with 2 being the best value for non-autocorrelation. A score closer to

4 suggests a negative autocorrelation, whereas 0 denotes a positive autocorrelation (Srivastava et al., 2005). Accordingly, coefficient values between 1.5 and 2.5 indicate the absence of autocorrelation, but coefficient values between 2.5 and 4 indicate the existence of autocorrelation.

3.8.2 Multi collinearity Test

Regression assumed that the data's multi-collinearity is negligible to nonexistent. When the independent variables are not independent of one another, multi-collinearity arises. A multilinearity test was ran to look for any unnecessary variables. Excluding one of the variables from the model when multi-collinearity is present does not lessen the explanation of the dependent variables (Y). The coefficient of correlation assesses the strength of the association between independent variables. When a two variable relationship is strong independent variables are referred to as multi-collinearity (Waters, 2011). Multilinearity means that one variable may accurately predict the result of another variable (Srivastava et al., 2005). To evaluate the level of multicollinearity between the ith independent variable and the order independent variables in a regression model, O'Brien (2007) advises that both variance inflation factor and tolerance be extensively employed. It is advised to eliminate one of the elements causing this issue in such a scenario. A variance inflation factor (VIF) of more than 10 or a tolerance of less than 0.1 both suggest the presence of multicollinearity. A VIF measures the influence of multicollinearity among Xs in a regression model on the predictors, according to Robinson and Schumacker (2009) the accuracy of a prediction. A statistic called the variance inflation factor (VIF) was used to assess the likelihood of multicollinearity among the explanatory predictors.

3.8.3 Homoscedasticity Test

Homoscedasticity is the property that all levels of the independent variables have the same error variance. Hererodasticity is demonstrated when the variance of errors varies at various values of the independent variables. Homoscedasticity was examined using Levene's test. Tabachnick and Fidell (2001) claim that little heteroscedasticity has no impact on significance tests, but substantial heteroscedasticity can seriously undermine the analysis and distort the results, increasing the likelihood of Type I error.

3.9 Ethical Considerations

A set of norms and concepts known as ethical considerations are to be upheld when conducting human affairs. A person cannot act in a way that is damaging to society or another person, thanks to ethical concerns. It forbids nasty behavior by both individuals and groups. All ethical issues pertaining to this study was taken into account by the researcher at all times, and all data collected throughout the study was used only for that reason. Confidentiality also be upheld. The researcher made sure that the three ethical principles are followed. These include justice, charity, and respect. Participants' autonomy, rights, and dignity shall be respected and protected during the study time. Research shall be carried out in a fair, honest, and open manner.

CHAPTER FOUR

DATA ANALYSIS, INTERPRETATION AND DISCUSSION

4.1 Descriptive Statistics

The aimed at determining how credit risk management practices affect financial performance of deposit taking SACCOs in Kenya. The rate of inflation was used to moderated the relationship between independent variables and dependent variable. The study specifically focused on solvency, liquidity, leverage, capital and adequacy. Financial performance was the dependent variable and it was measured using return on assets.

4.1.1 Solvency

The study described solvency of Deposit taking SACCOs in Kenya. The study carried out descriptive analysis and findings were presented below in table 4.1.

Table 4.1
Solvency

					Std.
	N	Minimum	Maximum	Mean	Deviation
Acumen SACCO Society Ltd	5	.04	.06	.0542	.00850
Afya SACCO society ltd	5	.12	.21	.1536	.03791
Airport SACCO Society Ltd	5	.01	.10	.0515	.04359
Ardhi SACCO Society Ltd	5	.10	.11	.1065	.00178
Bandari SACCO society ltd	5	.09	.13	.1056	.01722
Baraton University SACCO Society Ltd	5	.01	.01	.0117	.00016
Biashara SACCO Society Ltd	5	.08	.14	.1163	.02364
Breameg SACCO Society Ltd	5	.01	.03	.0183	.00839
Capital SACCO Society Ltd	5	.03	1.48	.3390	.63665

Daima SACCO Society Ltd 5	Chuna SACCO Society ltd	5	.19	.47	.3424	.11190
Elimu SACCO Society Ltd 5 .01 .07 .0412 .02167 Faridi SACCO Society Ltd 5 .04 .07 .0546 .01245 Fortitude SACCO Society Ltd 5 .02 .19 .0999 .07052 Good Faith SACCO Society Ltd 5 .02 .19 .0999 .07052 Good Faith SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd	Daima SACCO Society Ltd	5	.01	.24	.1018	.08752
Elimu SACCO Society Ltd	Elgon Teacher SACCO Society	-	02	40	2007	15045
Faridi SACCO Society Ltd 5 .04 .07 .0546 .01245 Fortitude SACCO Society Ltd 5 .02 .19 .0999 .07052 Good Faith SACCO Society Ltd 5 .02 .19 .0999 .07052 Harambee SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .18 .1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Kentours SACCO Society Ltd 5 .15 .189 .1.0370 .79661 Kenya Achievas Kenya SACCO Kenya Police SACCO Society Ltd 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society Ltd 5 .09 .25 .1503 .06270 Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society S .01 .13 .0658 .04722	Ltd	5	.02	.40	.2087	.15847
Fortitude SACCO Society Ltd 5 .02 .19 .0999 .07052 Good Faith SACCO Society Ltd 5 1.51 1.70 1.6107 .08590 Harambee SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .18 1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd	Elimu SACCO Society Ltd	5	.01	.07	.0412	.02167
Good Faith SACCO Society Ltd 5 1.51 1.70 1.6107 .08590 Harambee SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .18 1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd	Faridi SACCO Society Ltd	5	.04	.07	.0546	.01245
Harambee SACCO Society Ltd 5 .02 .24 .1126 .08102 Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .18 1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya SACCO Kenya Police SACCO Society Ltd 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society Maisha Bora SACCO Society S .01 .13 .0658 .04722	Fortitude SACCO Society Ltd	5	.02	.19	.0999	.07052
Imarika SACCO Society Ltd 5 .01 .08 .0431 .03194 Imarisha SACCO Society Ltd 5 .18 1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd 5 .01 .16 .1073 .05668 Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya SACCO 5 .01 .04 .0208 .01348 SACCO SACCO Society Ltd 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17	Good Faith SACCO Society Ltd	5	1.51	1.70	1.6107	.08590
Imarisha SACCO Society Ltd 5 .18 1.03 .5754 .33304 Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd 5 .01 .16 .1073 .05668 Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya SACCO 5 .01 .04 .0208 .01348 SACCO Society Ltd 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 <	Harambee SACCO Society Ltd	5	.02	.24	.1126	.08102
Jamii SACCO Society Ltd 5 .02 .05 .0337 .00924 Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Ltd Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya SACCO 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society Ltd 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Imarika SACCO Society Ltd	5	.01	.08	.0431	.03194
Kathera Rural SACCO Society Ltd 5 .01 .16 .1073 .05668 Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Imarisha SACCO Society Ltd	5	.18	1.03	.5754	.33304
Ltd 5 .01 .16 .1073 .05668 Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya SACCO 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society Ltd 5 .09 .25 .1503 .06270 Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Jamii SACCO Society Ltd	5	.02	.05	.0337	.00924
Ltd Kentours SACCO Society Ltd 5 .15 1.89 1.0370 .79661 Kenya Achievas Kenya 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society 5 .09 .25 .1503 .06270 Ltd 5 .09 .25 .1503 .06270 Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kathera Rural SACCO Society	5	01	16	1072	05669
Kenya Achievas Kenya 5 .01 .04 .0208 .01348 SACCO Kenya Police SACCO Society 5 .09 .25 .1503 .06270 Ltd 5 .09 .25 .1503 .06270 Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Ltd	3	.01	.10	.1073	.03008
SACCO 5 .01 .04 .0208 .01348 Kenya Police SACCO Society Ltd 5 .09 .25 .1503 .06270 Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kentours SACCO Society Ltd	5	.15	1.89	1.0370	.79661
SACCO Kenya Police SACCO Society 5 .09 .25 .1503 .06270 Ltd 5 .04 .10 .0281 .04200 Kenpipe SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kenya Achievas Kenya	5	01	04	0208	01348
Ltd 5 .09 .25 .1503 .06270 Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	SACCO	J	.01	.04	.0208	.01340
Ltd Kenpipe SACCO Society Ltd 5 .04 .10 .0281 .04200 Kimisitu SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kenya Police SACCO Society	5	00	25	1503	06270
Kimisitu SACCO Society Ltd 5 .10 .22 .1538 .04709 Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Ltd	J	.09	.23	.1505	.00270
Kingdom SACCO Society Ltd 5 .02 .10 .0624 .04080 KolengeTea SACCO Society Ltd 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kenpipe SACCO Society Ltd	5	.04	.10	.0281	.04200
KolengeTea SACCO Society 5 .04 .14 .0916 .03814 Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kimisitu SACCO Society Ltd	5	.10	.22	.1538	.04709
Ltd 5 .04 .14 .0916 .03814 Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Kingdom SACCO Society Ltd	5	.02	.10	.0624	.04080
Ltd Koru SACCO Society Ltd 5 .04 .17 .1158 .04988 Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	KolengeTea SACCO Society	5	04	1./	0016	03814
Lontels SACCO Society Ltd 5 .05 .29 .1227 .09710 Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Ltd	3	.04	.14	.0910	.03614
Maisha Bora SACCO Society 5 .01 .13 .0658 .04722	Koru SACCO Society Ltd	5	.04	.17	.1158	.04988
5 .01 .13 .0658 .04722	Lontels SACCO Society Ltd	5	.05	.29	.1227	.09710
	Maisha Bora SACCO Society	5	01	13	0658	04722
	Ltd	J	.01	.10	.0050	.UT / 44

Metropolitan SACCO Society	5	.05	.15	.1060	.03958
Ltd	3	.03	.13	.1000	.03936
Mombasa Port SACCO Society	5	.02	.10	.0640	.03539
Ltd	3	.02	.10	.0040	.03339
Muki SACCO Society Ltd	5	.02	.15	.0801	.06064
Miliki SACCO Society Ltd	5	.07	.71	.2300	.26852
Mwalimu SACCO Society Ltd	5	.01	.12	.0785	.05268
Mwito SACCO Society Ltd	5	.08	.71	.4136	.26109
Mzima SACCO Society Ltd	5	.03	.10	.0719	.03057
Nafaka SACCO Society Ltd	5	.04	.20	.1155	.05739
Nacico SACCO Society Ltd	5	.05	.26	.1423	.08465
Nandi Farmer SACCO Society	5	.08	.18	.1464	.03742
Ltd	3	.08	.10	.1404	.03742
Ollin SACCO Society Ltd	5	.01	.50	.1917	.18837
Safaricom SACCO Society Ltd	5	.03	3.38	.7948	1.44804
Sheria SACCO Society Ltd	5	.02	.11	.0586	.03731
Shirika SACCO Society Ltd	5	.05	.15	.1002	.03774
Simba SACCO Society Ltd	5	.04	.17	.0936	.05329
Siraji SACCO Society Ltd	5	.02	.08	.0564	.02229
Stima Investment SACCO	5	.01	.10	.0293	.04081
society ldt	3	.01	.10	.0293	.04081
Tai SACCO Society Ltd	5	.01	.03	.0141	.01427
Torch SACCO Society Ltd	5	.03	.13	.0393	.05233
Ukristo Na Ufanisi Wa	5	.03	.16	.0860	.06589
Angalican SACCO Society Ltd	J	.03	.10	.0000	.00303
Un SACCO Society Ltd	5	.01	.18	.0733	.08530
Unisa SACCO Society Ltd	5	.04	.17	.0503	.07079
Unison SACCO Society Ltd	5	.07	.14	.1083	.02612

Ushuru County Farmer SACCO	5	.02	.13	.0845	.04336
Society Ltd	3	.02	.13	.0043	.04330
United Nationas SACCO	5	.08	.20	.1257	.04799
Society Ltd	J	.08	.20	.1237	.04799
Vihiga County Farmers	5	.07	.10	.0887	.01295
SACCO Society	3	.07	.10	.0007	.01293
Vision Point SACCO Society	5	.05	.13	.0861	.03124
Ltd	3	.03	.13	.0001	.03124
Wakenya Pamoja SACCO	5	.03	.21	.1162	06277
Society Ltd	3	.03	.21	.1102	.06377
Wipo SACCO Society Ltd	5	.02	.12	.0597	.05404
Yetu SACCO Society Ltd	5	.01	.22	.1083	.10260
Valid N (listwise)	5				
Average mean				0.16311	

Source: Field data 2022

Acceptable solvency level may vary from one industry to another, however, the rule of the thumb is a solvency ratio of less than 20% or 30% is assumed to be financially health. The study noted that, solvency for the majority of SACCOs was less than 30%. For instance, the solvency ratio for Acumen SACCO Society Ltd was 5.42%, Afya SACCO society ltd 15.36%, Airport SACCO Society Ltd 5.15%, Ardhi SACCO Society Ltd 10.65 %, Bandari SACCO society ltd h10. 56% Baraton University SACCO Society Ltd 1.17 %, Biashara SACCO Society Ltd 11.63 %, Breameg SACCO Society Ltd 01.83%. Daima SACCO Society Ltd 10.18%. Elgon Teacher SACCO Society Ltd 20.87 %, Elimu SACCO Society Ltd 04.12%. Faridi SACCO Society Ltd 5.46%, Fortitude SACCO Society Ltd 09.99 %, 7. 052%, Harambee SACCO Society Ltd 11. 26%, Imarika SACCO Society Ltd 04.31 %, Jamii SACCO Society Ltd 3.37 %, Kathera Rural SACCO Society Ltd 10.73 %, Kenya Achievas Kenya SACCO 02.08 %, Kenya Police SACCO Society Ltd 15.03 %, Kenpipe SACCO Society Ltd 2.81%,

Kimisitu SACCO Society Ltd 15.38 %, Kingdom SACCO Society Ltd 6.24%, Kolenge Tea SACCO Society Ltd 9.16%, Koru SACCO Society Ltd 11.58%, Lontels SACCO Society Ltd 12.27. Maisha Bora SACCO Society Ltd 6.58%, Metropolitan SACCO Society Ltd 10.60%. Mombasa Port SACCO Society Ltd, 6.40%, Muki SACCO Society Ltd 8.01%, Miliki SACCO Society Ltd 23.00. Mwalimu SACCO Society Ltd 7.85 %, Mwito SACCO Society Ltd 41 .36 %, Mzima SACCO Society Ltd 7.19 %. Nafaka SACCO Society Ltd 11.55 %, Nacico SACCO Society Ltd, 14.23%, Nandi Farmer SACCO Society Ltd 14. 64%, Ollin SACCO Society Ltd 19.17 %. Safaricom SACCO Society Ltd had mean of .79.48%, Sheria SACCO Society Ltd 5.86%. Shirika SACCO Society Ltd 10.02%. Simba SACCO Society Ltd 9.36%, Siraji SACCO Society Ltd 5.64%, Stima Investment SACCO society ldt 2.93 %. Tai SACCO Society Ltd 1.41%, Torch SACCO Society Ltd 3.93 %, Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd 8.60%, Un SACCO Society Ltd 7.33%. Unisa SACCO Society Ltd 05.03%, Unison SACCO Society Ltd 10. 83. Ushuru County Farmer SACCO Society Ltd 8.45% United Nationas SACCO Society Ltd 12.57%, Vihiga County Farmers SACCO Society 8.87%, Vision Point SACCO Society Ltd 8.61%. Wakenya Pamoja SACCO Society Ltd 11.62, Wipo SACCO Society Ltd 5.97% and Yetu SACCO Society Ltd 10.83%. the solvency level for these SACCOs was lower than the generally accepted limits and hence, higher financial performance since they spend less income on interest payment in long-term liabilities.

The study further established that, the solvency of some SACCOs was above the generally recommended levels. For instance, solvency for Capital SACCO Society Ltd was 33.90 %. Chuna SACCO Society ltd 34.24 Imarisha SACCO Society Ltd 57.54%. Mwito SACCO Society Ltd 41.36 % and Safaricom SACCO Society Ltd.79.48%. Consequently, the had higher solvency ratio, thus, their financial performance was reduced due to higher interests paid on long-term liabilities. These findings agreed with Acharya Gale & Yorulmazer (2010), who opined that, Solvency, ensures that deposit-taking SACCOs would fulfill their obligations in the event of a suspension of operations or liquidation in the USA. It speaks to a SACCO's

capacity to meet long-term liabilities and its long-term financial stability. If the entire assets surpass the total liabilities, a deposit-taking SACCO is deemed solvent. The SACCOs suffer an insolvency risk and are deemed technically insolvent if total assets fall short of total obligations.

4.1.2 Liquidity

The study determined the liquidity of Deposit taking SACCOs in Kenya. The study carried out descriptive analysis and findings were presented in table 4.2 below.

Table 4.2

Liquidity

	N	Minimum	Maximum	Mean	Std. Deviation
Acumen SACCO Society Ltd	5	.03	.18	.2101	.06610
Afya SACCO SOCIET LTD	5	.01	.17	.0433	.07083
Airport SACCO Society Ltd	5	.02	10.24	2.0815	4.56087
Ardhi SACCO Society Ltd	5	.01	.01	.2110	.00008
Bandari SACCO society ltd	5	.02	.13	.1600	.05148
Baraton University SACCO	5	.01	.12	.2360	.04664
Society Ltd					
Biashara SACCO Society Ltd	5	.02	.09	.0559	.02717
Breameg SACCO Society Ltd	5	.02	.05	.3310	.01451
Capital SACCO Society Ltd	5	.01	.11	.3014	.04452
Chuna SACCO Society ltd	5	.01	.20	.2870	.08280
Daima SACCO Society Ltd	5	.01	.12	.3380	.04602
Elgon Teacher SACCO Society Ltd	5	.02	.03	.1600	.01358

Elimu SACCO Society Ltd	5	.01	.01	.1810	.00023
Faridi SACCO Society Ltd	5	.01	.12	.3601	.04722
Fortitude SACCO Society Ltd	5	.01	.20	.1507	.08299
Good Faith SACCO Society	_	02	1.5	1601	06921
Ltd	5	.02	.15	.1601	.06831
Harambee SACCO Society Ltd	5	.03	.16	.0835	.06823
Imarika SACCO Society Ltd	5	.06	.16	.1911	.04096
Imarisha SACCO Society Ltd	5	.01	.01	.0115	.00022
Jamii SACCO Society Ltd	5	.02	.51	.1988	.19780
Kathera Rural SACCO Society	5	.04	.31	.2140	.10472
Ltd	3				
Kentours SACCO Society Ltd	5	.01	.01	.1910	.00031
Kenya Achievas Kenya	5	.01	.62	.2414	.29408
SACCO	3	.01	.02	.2717	.27400
Kenya Police SACCO Society	5	.03	.05	.3093	.01223
Ltd	3				
Kenpipe SACCO Society Ltd	5	.02	.15	.0739	.05297
Kimisitu SACCO Society Ltd	5	.11	.20	.1466	.04016
Kingdom SACCO Society Ltd	5	.04	.18	.1612	.05649
KolengeTea SACCO Society	5	.03	.09	.0694	.02475
Ltd	J	.03	.09	.0094	.02473
Koru SACCO Society Ltd	5	.06	.20	.1316	.06553
Lontels SACCO Society Ltd	5	.02	.86	.2100	.36430
Maisha Bora SACCO Society	5	.01	.10	.0475	.03297
Ltd	J	.01	.10	.0+/3	.03471

Metropolitan SACCO Society		0.2		2.500	0.141.6
Ltd	5	.02	.11	.2690	.04416
Mombasa Port SACCO	-	02	10	26020	06056
Society Ltd	5	.02	.18	.36030	.06956
Muki SACCO Society Ltd	5	.04	.09	.2060	.02106
Miliki SACCO Society Ltd	5	.03	.30	.1900	.11612
Mwalimu SACCO Society Ltd	5	.01	.14	.4890	.05327
Mwito SACCO Society Ltd	5	.01	.15	.0865	.06586
Mzima SACCO Society Ltd	5	.02	.20	.2142	.06840
Nafaka SACCO Society Ltd	5	.03	.08	.0456	.01911
Nacico SACCO Society Ltd	5	.03	.12	.0598	.03940
Nandi Farmer SACCO Society	5	.07	.11	.1870	.02033
Ltd	J	.07	.11	.1070	.02033
Ollin SACCO Society Ltd	5	.03	.16	.0694	.05485
Safaricom SACCO Society Ltd	5	.04	.09	.1660	.02038
Sheria SACCO Society Ltd	5	.02	.12	.0458	.04321
Shirika SACCO Society Ltd	5	.01	.06	.2705	.01928
Simba SACCO Society Ltd	5	.02	.14	.0586	.04963
Siraji SACCO Society Ltd	5	.02	.09	.2410	.03102
Stima Investment SACCO	5	.03	.96	.2353	.40557
societ ldt	5	.03	.50	.2333	.10337
Tai SACCO Society Ltd	5	.03	.06	.0498	.01243
Torch SACCO Society Ltd	5	.03	.06	.0476	.01257
Ukristo Na Ufanisi Wa Angalican SACCO Society	5	.05	.15	.1850	.04154

Ltd				
Un SACCO Society Ltd	5	.01	.78	.2214 .32162
Unisa SACCO Society Ltd	5	.04	.55	.1659 .21591
Unison SACCO Society Ltd	5	.02	.60	.2077 .23201
Ushuru County Farmer SACCO Society Ltd	5	.01	.21	.1804 .06967
United National SACCO Society Ltd	5	.03	.10	.0460 .02800
Vihiga County Farmers SACCO Society	5	.01	.16	.0844 .07038
Vision Point SACCO Society Ltd	5	.01	.12	.2500 .04567
Wakenya Pamoja SACCO Society Ltd	5	.03	.05	.2400 .00714
Wipo SACCO Society Ltd	5	.01	.07	.3406 .02059
Yetu SACCO Society Ltd	5	.04	.83	.2498 .32897
Valid N (listwise)	5			
Average mean				.2148

Source Field data: 2022

According to the SACCOO society (DT-SACCO business) regulations of 2010 13(2), SACCOs shall maintain 15% of its savings deposits and shot- terms liability in liquid assets. The study established had liquidity of some SACCOs was above the statutory requirement. For instance, liquidity for Acumen SACCO Society Ltd was 21.02%, Airport SACCO Society Ltd 20.815%, Ardhi SACCO Society Ltd 21.10%, Bandari SACCO society ltd 16.00%, Baraton University SACCO Society Ltd 23.60%, Breameg SACCO Society Ltd 33.10%, Capital SACCO Society Ltd 30.14%, Chuna SACCO Society ltd 28.70%, Daima SACCO Society Ltd

33.80%, Elgon Teacher SACCO Society Ltd 16.00% Elimu SACCO Society Ltd 18.10%, Faridi SACCO Society Ltd 36.01%, Fortitude SACCO Society Ltd 15.07%, Good Faith SACCO Society Ltd 16.01% Imarika SACCO Society Ltd 19.11% Kathera Rural SACCO Society Ltd 21.40%, Kentours SACCO Society Ltd 19.10%, Kenya Police SACCO Society Ltd 30.93%, Muki SACCO Society Ltd 20.60%, Miliki SACCO Society Ltd 19.00%, Mwalimu SACCO Society Ltd 48.90, Mzima SACCO Society Ltd 21.42%, Nandi Farmer SACCO Society Ltd18.70%, Safaricom SACCO Society Ltd 16.60%, Shirika SACCO Society Ltd 27.05%, Siraji SACCO Society Ltd 24.10%, Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd 18.50%, Vision Point SACCO Society Ltd 25.00%, Wakenya Pamoja SACCO Society Ltd 24.00%, Wipo SACCO Society Ltd 34.06%, Jamii SACCO Society Ltd 19.88%, Kenya Achievas Kenya SACCO Society Ltd 34.06%, Jamii SACCO Society Ltd 21.00%, Stima Investment SACCO society 23.53%, Un SACCO Society Ltd 22.14%, Unisa SACCO Society Ltd 16.59%, Unison SACCO Society Ltd 20.77% and Yetu SACCO Society Ltd 24.98%. Thus, with higher liquidity above the statutory requirements, these SACCOs were able to meet their short-term obligations as and when they fall due, hence, increase in financial performance.

On the other hand, the study identified that liquidity of a few SACCOs under study was below statutory requirements. For instance, Afya SACCO SOCIET LTD 4.33%, Ardhi SACCO Society Ltd 1.21%, Biashara SACCO Society Ltd 5.59%, Good Faith SACCO Society Ltd 6.11%, Harambee SACCO Society Ltd 8.35%, Imarisha SACCO Society Ltd 1.15 %, Kenpipe SACCO Society Ltd 7.39%, Kimisitu SACCO Society Ltd 14.66%, Kolenge Tea SACCO Society Ltd 6.94%, Koru SACCO Society Ltd 13.16% Maisha Bora SACCO Society Ltd 4.75%, Metropolitan SACCO Society Ltd 6.92%, Mombasa Port SACCO Society Ltd 6.03%, Mwito SACCO Society Ltd 8.65%, Mzima SACCO Society Ltd 12.42%, Nafaka SACCO Society Ltd 4.56%, Nacico SACCO Society Ltd 5.89%, Ollin SACCO Society Ltd 6.94, Sheria SACCO Society Ltd4.58%, , Simba SACCO Society Ltd 5.86%, Tai SACCO Society Ltd 4.98%, Torch SACCO Society Ltd 4.76%, United National SACCO Society Ltd 4.60%, Vihiga

County Farmers SACCO Society 8.44%. The liquidity of these SACCOs was less than the statutory requirements thus, with Low liquidity they were unable to meet short-term obligation and hence, decrease in financial performance. To enhance profitability, they should cut overhead expenses, dispose unnecessary assets, change payment cycles, use long time financing, optimum management of receivables and payables would increase their liquidity and hence financial performance. These findings agreed with (Kothari 2018) who established that, Liquidity enhances profitability in the sense that it may make an organization unable to meet the short-term liabilities and this may affect its operations and its reputation too. Besides, insufficient cash or liquid assets can also make an organization to miss those enticements given by the suppliers of credit, services and goods. The loss of such enticements may be hazardous in the sense that it may bring on board higher cost of goods which in turn affect the profitability of the business.

4.1.3 Leverage

The study described leverage of Deposit taking SACCOs in Kenya. The study findings were presented below in table 4.3.

Table 4.3

Leverage

	N	Minimum	Maximum	Mean	Std. Deviation
Acumen SACCO Society Ltd	5	.04	.17	.0937	.05044
Afya SACCO SOCIET LTD	5	.01	.02	.0182	.00275
Airport SACCO Society Ltd	5	.09	.20	.1588	.04682
Ardhi SACCO Society Ltd	5	.02	.05	.0029	.00052
Bandari SACCO society ltd	5	.01	.07	.0196	.01062
Baraton University SACCO	5	.02	.04	.0131	.00683

Society Ltd					
Biashara SACCO Society Ltd	5	.01	.08	.0339	.02885
Breameg SACCO Society Ltd	5	.03	.12	.0731	.03211
Capital SACCO Society Ltd	5	.02	.04	.0350	.00840
Chuna SACCO Society ltd	5	.03	.08	.0589	.02221
Daima SACCO Society Ltd	5	.11	.15	.1376	.01763
Elgon Teacher SACCO Society Ltd	5	.01	.41	.1776	.18346
Elimu SACCO Society Ltd	5	.03	.28	.1100	.10072
Faridi SACCO Society Ltd	5	.02	.09	.0294	.03500
Fortitude SACCO Society Ltd	5	.07	.33	.1985	.10096
Good Faith SACCO Society Ltd	5	.02	.03	.0266	.00539
Harambee SACCO Society Ltd	5	.01	.06	.0029	.00213
Imarika SACCO Society Ltd	5	.10	.15	.1272	.02035
Imarisha SACCO Society Ltd	5	.02	.02	.0103	.00827
Jamii SACCO Society Ltd	5	.10	.38	.2602	.11646
Kathera Rural SACCO Society Ltd	5	.02	.16	.0767	.05648
Kentours SACCO Society Ltd	5	.01	.01	.0088	.00106
Kenya Achievas Kenya SACCO	5	.02	.04	.0266	.00709
Kenya Police SACCO Society Ltd	5	.03	.23	.1270	.08428

Kenpipe SACCO Society Ltd	5	.02	.24	.0988	.08626
Kimisitu SACCO Society Ltd	5	.11	.18	.1376	.02838
Kingdom SACCO Society Ltd	5	.10	.20	.1457	.04325
Kolenge Tea SACCO Society	5	.01	.09	.0552	.03727
Ltd	3	.01	.09	.0332	.03727
Koru SACCO Society Ltd	5	.02	.11	.0626	.04085
Lontels SACCO Society Ltd	5	.02	.14	.0613	.05156
Maisha Bora SACCO Society	5	.03	.20	.1065	.07696
Ltd	3	.03	.20	.1003	.07090
Metropolitan SACCO Society	5	.03	.11	.0801	.03051
Ltd	3	.03	.11	.0001	.03031
Mombasa Port SACCO	5	.01	.05	.0305	.01595
Society Ltd	3	.01	.03	.0303	.01373
Muki SACCO Society Ltd	5	.02	.15	.0670	.06140
Miliki SACCO Society Ltd	5	.47	.73	.5783	.11787
Mwalimu SACCO Society Ltd	5	.01	.02	.0134	.00233
Mwito SACCO Society Ltd	5	.00	.03	.0118	.00854
Mzima SACCO Society Ltd	5	.12	.51	.2823	.15234
Nafaka SACCO Society Ltd	5	.02	.16	.0939	.05128
Nacico SACCO Society Ltd	5	.01	.12	.0721	.05941
Nandi Farmer SACCO Society	5	.04	.20	.1063	.06292
Ltd	3	.01	.20	.1003	.00272
Ollin SACCO Society Ltd	5	.04	.14	.0846	.04230
Safaricom SACCO Society	5	.02	.15	.0618	.06765
Ltd	5	.02	.13	.0010	.00703

Sheria SACCO Society Ltd	5	.01	.15	.0733	.05999
Shirika SACCO Society Ltd	5	.03	.19	.1167	.06656
Simba SACCO Society Ltd	5	.03	.29	.1485	.09484
Siraji SACCO Society Ltd	5	.05	.15	.0962	.03761
Stima Investment SACCO society ldt	5	.01	.08	.0244	.03366
Tai SACCO Society Ltd	5	.03	.19	.0985	.06885
Torch SACCO Society Ltd	5	.01	.10	.0293	.04081
Ukristo Na Ufanisi Wa					
Angalican SACCO Society	5	.02	.13	.0342	.05653
Ltd					
Un SACCO Society Ltd	5	.04	.13	.0914	.03490
Unisa SACCO Society Ltd	5	.01	.13	.0827	.04581
Unison SACCO Society Ltd	5	.0	.10	.0326	.04094
Ushuru County Farmer SACCO Society Ltd	5	.02	.06	.0346	.01655
United Nationas SACCO Society Ltd	5	.03	.91	.2458	.37253
Vihiga County Farmers SACCO Society	5	.07	.10	.0774	.01201
Vision Point SACCO Society Ltd	5	.03	.14	.0684	.04698
Wakenya Pamoja SACCO Society Ltd	5	.03	.05	.0438	.00847
Wipo SACCO Society Ltd	5	.05	.21	.0885	.07912

Yetu SACCO Society Ltd	5	.04	.10	.0293	.03766
Valid N (listwise)	5				
Average mean				0.0884	

Source: Field data 2022

According to the SACCOO society (DT-SACCO business) regulations 2010 35(1), SACCOs shall not obtain external borrowing that is more than 25% of its total assets. The study found out that, most of the SACCOS complied with the statutory requirements on leverage. For instance, the leverage for Acumen SACCO Society Ltd was 9.37%, Afya SACCO society ltd 1.182%, Airport SACCO Society Ltd15.88%, Ardhi SACCO Society Ltd 0.29%, Bandari SACCO society ltd 19.6%, Baraton University SACCO Society Ltd 1.31%, Biashara SACCO Society Ltd 3.39%, Breameg SACCO Society Ltd 7.31%, Capital SACCO Society Ltd 3.50%, Chuna SACCO Society ltd 5.89%, Daima SACCO Society Ltd 13.76%, Elgon Teacher SACCO Society Ltd 17.76, Elimu SACCO Society Ltd 11.00%, Faridi SACCO Society Ltd 2.94 %, Fortitude SACCO Society Ltd 19.85%, Good Faith SACCO Society Ltd 2.26%, Harambee SACCO Society Ltd 0.29%, Imarika SACCO Society Ltd 127.2%, Imarisha SACCO Society Ltd 1.03%, Kathera Rural SACCO Society Ltd 7.67%, Kentours SACCO Society Ltd 0.88%, Kenya Achievas Kenya SACCO 2.66%, Kenya Police SACCO Society Ltd 12.70%, Kenpipe SACCO Society Ltd 9.88% Kimisitu SACCO Society Ltd,13.76% Kingdom SACCO Society Ltd 14.57%, Kolenge Tea SACCO Society Ltd 5.52% Koru SACCO Society Ltd 6.26%, Lontels SACCO Society Ltd 6.13%, Maisha Bora SACCO Society Ltd 10.65%, Metropolitan SACCO Society Ltd 8.01%, Mombasa Port SACCO Society Ltd 3.05%, Muki SACCO Society Ltd 6.70%, Mwalimu SACCO Society Ltd 1.34%, Mwito SACCO Society Ltd 1.18%, Nafaka SACCO Society Ltd 9.39%, Nafaka SACCO Society Ltd 7.21%, Nandi Farmer SACCO Society Ltd 10.62%, Ollin SACCO Society Ltd 8.46%, Safaricom SACCO Society Ltd 6.18%, Sheria SACCO Society Ltd 7.33%, Shirika SACCO Society Ltd 11.67%, Simba SACCO Society Ltd 14.85%, Siraji SACCO Society Ltd 9.62, Stima Investment SACCO society ldt 2.44%, Tai SACCO Society Ltd 9.86% Torch SACCO Society Ltd 2.93%, Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd 3.42% Un SACCO Society Ltd9.14%, Unisa SACCO Society Ltd 8.27%, Unison SACCO Society Ltd 3.26%, Ushuru County Farmer SACCO Society Ltd 3.46%, Vihiga County Farmers SACCO Society 7.74%, Vihiga County Farmers SACCO Society Ltd 4.38%, Wipo SACCO Society Ltd 8.85%, United Nationas SACCO Society Ltd 24.58% and Yetu SACCO Society Ltd 2.93%. These, SACCOs had low leverage thus, less finance charges in form interests hence higher financial performance.

On the other hand, the study established a few Sacco were not complied with the statutory requirement by SASRA on leverage. For instance, the leverage level for Mzima SACCO Society Ltd was above the ideal level by 3.32%, Miliki SACCO Society Ltd 32.83%, Jamii SACCO Society Ltd 1.02%. With higher leverage, these SACCOs use a lot of their income to service loans in form of interest rates. Thus, their financial performance declined. These finding were in harmony with (Idada, Atu, Atu E & and Kingsley, 2018, who stated that, leverage has been adopted by many SACCOs in Nigeria. However, SACCOs should be careful when using debt because it comes with a cost in form of interest which must be paid periodically. Moreover, too much use of debt also makes the SACCOs to be vulnerable to financial distress costs and this might negatively affect the SACCOs' financial performance.

4.1.4 Capital Adequacy

The study sought to determine capital adequacy of Deposit taking SACCOs in Kenya. The findings of the study were presented below in table 4.4.

According to the SACCOO society (DT-SACCO business) regulations 2010 9(b), SACCOs must maintain core capital of not less than 10% of total assets. The study found out that capital adequacy for most SACCOs was above the minimum statutory requirement of 10% by SASRA. For instance Acumen SACCO Society Ltd 13.56%, Afya SACCO Society ltd 23.46%, Ardhi

SACCO Society Ltd 31.66, Bandari SACCO society ltd 19.53%, Baraton University SACCO Society Ltd 13.71%, Breameg SACCO Society Ltd 15.23%,

Table 4.4Capital

	N	Minimum	Maximum	Mean	Std. Deviation
Acumen SACCO Society Ltd	5	.11	.15	.1356	.01695
Afya SACCO SOCIET LTD	5	.05	.33	.2346	.13306
Airport SACCO Society Ltd	5	.06	.28	.1390	.08528
Ardhi SACCO Society Ltd	5	.03	.42	.3166	.15916
Bandari SACCO society ltd	5	.16	.23	.1953	.02881
Baraton University SACCO	5	.11	.17	.1371	.03241
Society Ltd	3	.11	.17	.13/1	.03241
Biashara SACCO Society Ltd	5	.01	.07	.0314	.02668
Breameg SACCO Society Ltd	5	.09	.21	.1523	.04661
Capital SACCO Society Ltd	5	.07	.14	.1000	.03179
Chuna SACCO Society ltd	5	.03	.17	.0893	.05442
Daima SACCO Society Ltd	5	.02	.10	.0592	.02839
Elgon Teacher SACCO Society Ltd	5	.07	.31	.2244	.09678
Elimu SACCO Society Ltd	5	.01	.05	.0242	.01678
Faridi SACCO Society Ltd	5	.04	.09	.0721	.01773
Fortitude SACCO Society Ltd	5	.01	.10	.0447	.03465
Good Faith SACCO Society Ltd	5	4.42	5.80	4.9990	.67011
Harambee SACCO Society Ltd	5	.16	.38	.3143	.09023
Imarika SACCO Society Ltd	5	.04	.12	.0832	.03122
Imarisha SACCO Society Ltd	5	1.36	6.96	4.0980	2.38956

Jamii SACCO Society Ltd	5	.02	.04	.0276	.00581
Kathera Rural SACCO Society Ltd	5	.01	.14	.0813	.05937
Kentours SACCO Society Ltd	5	1.75	3.92	2.2793	.92284
Kenya Achievas Kenya SACCO	5	.05	.13	.0903	.03870
Kenya Police SACCO Society Ltd	5	.01	.12	.0643	.04766
Kenpipe SACCO Society Ltd	5	.12	3.82	.8800	1.64487
Kimisitu SACCO Society Ltd	5	.06	.18	.0989	.04681
Kingdom SACCO Society Ltd	5	.02	.20	.0955	.06952
KolengeTea SACCO Society Ltd	5	.04	.16	.1022	.04782
Koru SACCO Society Ltd	5	.02	.12	.0693	.04449
Lontels SACCO Society Ltd	5	.11	.14	.1220	.01504
Maisha Bora SACCO Society Ltd	5	.04	.12	.0805	.03400
Metropolitan SACCO Society Ltd	5	.09	.22	.1633	.05850
Mombasa Port SACCO Society Ltd	5	.07	.16	.1214	.03429
Muki SACCO Society Ltd	5	.08	.14	.0938	.02540
Miliki SACCO Society Ltd	5	.02	.10	.0411	.03743
Mwalimu SACCO Society Ltd	5	.16	.30	.2381	.05660
Mwito SACCO Society Ltd	5	.12	.35	.2249	.08391
Mzima SACCO Society Ltd	5	.05	.20	.1330	.06185
Nafaka SACCO Society Ltd	5	.07	.20	.1224	.05246
Nacico SACCO Society Ltd	5	.10	.20	.1382	.03914
Nandi Farmer SACCO Society Ltd	5	.05	.17	.0953	.04440
Ollin SACCO Society Ltd	5	.02	.18	.1011	.07096
Safaricom SACCO Society Ltd	5	.05	.14	.0863	.03498
Sheria SACCO Society Ltd	5	.02	.21	.0985	.08045
Shirika SACCO Society Ltd	5	.03	.16	.1035	.05059
Simba SACCO Society Ltd	5	.05	.13	.0795	.03259
Siraji SACCO Society Ltd	5	.02	.12	.0628	.03473

Stima Investment SACCO society	5	.01	.10	.0481	.04111
ldt	3	.01	.10	.0101	.01111
Tai SACCO Society Ltd	5	.03	.10	.0604	.02393
Torch SACCO Society Ltd	5	.01	.08	.0495	.02728
Ukristo Na Ufanisi Wa Angalican	5	.05	.08	.0677	01269
SACCO Society Ltd	3	.03	.06	.0077	.01368
Un SACCO Society Ltd	5	.03	.16	.0367	.06758
Unisa SACCO Society Ltd	5	.02	.08	.0382	.02551
Unison SACCO Society Ltd	5	.01	.13	.0604	.05129
Ushuru County Farmer SACCO	E	05	20	.1084	.06004
Society Ltd	5	.05	.20	.1064	.00004
United National SACCO Society	5	0.4	.26	1040	00015
Ltd	3	.04	.20	.1840	.08915
Vihiga County Farmers SACCO	5	02	.20	0020	06604
Society	5	.02	.20	.0930	.06694
Vision Point SACCO Society Ltd	5	.03	.10	.0365	.04237
Wakenya Pamoja SACCO Society	E	1.1	1.76	4720	72220
Ltd	5	.11	1.76	.4729	.72229
Wipo SACCO Society Ltd	5	.05	.15	.1039	.04095
Yetu SACCO Society Ltd	5	.04	.12	.0885	.03632
Valid N (listwise)	5				
Average mean				0.30808	

Source: Field data 2022

Capital SACCO Society Ltd 10.00%, Elgon Teacher SACCO Society Ltd 22.44%, Good Faith SACCO Society Ltd, Good Faith SACCO Society Ltd 49.99%, Harambee SACCO Society Ltd 31.43, Imarisha SACCO Society Ltd 40.98, Kentours SACCO Society Ltd 22.793%, Kenpipe SACCO Society Ltd 88%, KolengeTea SACCO Society Ltd 10.22%, Lontels SACCO Society Ltd 12.20%, Metropolitan SACCO Society Ltd 16.33%, Mombasa Port SACCO Society Ltd

12.14%, Mwalimu SACCO Society Ltd 23.81%, Mwito SACCO Society Ltd 22.49%, Mzima SACCO Society Ltd13.30%, Nafaka SACCO Society Ltd12.24%, Nacico SACCO Society Ltd 13.82%, Ollin SACCO Society Ltd 10.11%, Shirika SACCO Society Ltd 10.35%, Ushuru County Farmer SACCO Society Ltd10.84% and United National SACCO Society Ltd 18.40%. consequently, Higher capital adequacy increases financial performance.

On the other hand, the study noted capital adequacy for some SACCOs was below statutory requirements. For instance, capital adequacy for Biashara SACCO Society Ltd was 3.14%, Chuna SACCO Society ltd, Daima SACCO Society Ltd 5.92%, Elimu SACCO Society Ltd 2.42%, Faridi SACCO Society Ltd 7.21%, Fortitude SACCO Society Ltd 4.47%, Imarika SACCO Society Ltd 8.32%, Jamii SACCO Society Ltd 2.76% Kathera Rural SACCO Society Ltd 8.13%, Kenya Achievas Kenya SACCO 9.03%, Kenya Police SACCO Society Ltd 6.43%, Kimisitu SACCO Society Ltd 9.89%, Kingdom SACCO Society Ltd 9.55% Koru SACCO Society Ltd 6.93% Maisha Bora SACCO Society Ltd 8.05%, Muki SACCO Society Ltd 9.38%, Miliki SACCO Society Ltd 4.11%, Nandi Farmer SACCO Society Ltd 9.53% Safaricom SACCO Society Ltd 8.63%, Sheria SACCO Society Ltd9.85%, Simba SACCO Society Ltd 7.95 %, Siraji SACCO Society Ltd 6.28%, Stima Investment SACCO society ldt 4.81% Tai SACCO Society Ltd 6.04%, Torch SACCO Society Ltd 4.95, Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd 6.77%, Un SACCO Society Ltd 3.67% Unisa SACCO Society Ltd3.82% Unison SACCO Society Ltd 6.04%, Vihiga County Farmers SACCO Society 9.30%, Vision Point SACCO Society Ltd 3.65% and Yetu SACCO Society Ltd 8.85%. Accordingly, low capital adequacy leads to declined financial performance. Thus, these SACCOs can increase their capital adequacy through increasing their capital base, selling assets like shares and minimizing balance sheet risks. This would increase capital adequacy and hence financial performance. According to (Sambasivan and Biruk (2013), Capital adequacy is vital in any financial institution in Ethiopia because it acts as a measurement of the institution's strength or ability in terms of financial matters, shows the SACCO's willingness

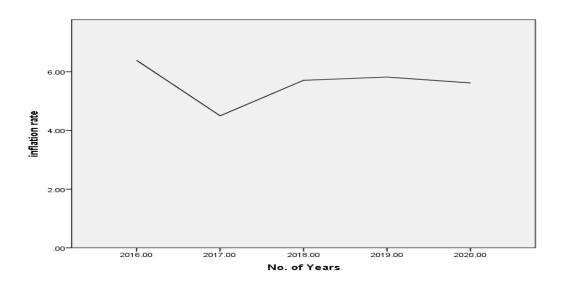
and capacity to endure irregular and operational misfortunes. Further, a financial institution in the Philippines can also use capital adequacy demonstrates the company's capability to embrace extra or additional businesses and also because it gauges the SACCOs' capacity to adequately adapt to risks and liquidation.

4.1.5 Inflation rate

The study determined the inflation rates of in Kenya for five years. The findings of the study were presented in the table below in figure below:

Figure 4.1

annual Inflation rates



Source: field data 2022

The ideal inflation rate is 2 % when measured by CPI. The study noted that annual inflation rates for the five years was well above the ideal level. Additionally, the study identified inflation rate was highest in 2016 6.39% while in 2017 was lowest at 4.50%. Further, the study noted from 2018-2020, annual inflation rates was relatively stable. Higher inflation rates reduce purchasing power, increases loan costs thus, reducing loan demand leading low

economic growth. On the other hand, low inflation rates increase purchasing, increase laon uptake and hence spur economic growth.

4.1.6 Financial performance

The study determined the financial performance of deposit taking SACCOs. It was measured using return on Assets. The findings of the study were presented in table 4.5 below:

Generally financial performance (in terms of ROA) of more than 5% is assumed to be good while ROA of more than 20% is considered excellent. The study discovered that, the financial performance of most of the SACCOs studied was above 5% for instance, financial performance of Acumen SACCO Society Ltd financial 5.98%, Afya SACCO society ltd 7.09 %, Ardhi SACCO Society Ltd had 13.05%. Baraton University SACCO Society Ltd 8.39%. Breameg SACCO Society Ltd 9.42%, Daima SACCO Society Ltd 8.08%,

Table 4.5

Financial Performance

	N	Minimum	Maximum	Mean	Std. Deviation
Acumen SACCO Society Ltd	5	.04	.08	.0598	.01558
Afya SACCO SOCIET LTD	5	.01	.10	.0709	.03622
Airport SACCO Society Ltd	5	.02	.03	.0133	.01160
Ardhi SACCO Society Ltd	5	.11	.14	.1305	.01170
Bandari SACCO society ltd	5	.33	.41	.3663	.02759
Baraton University SACCO Society Ltd	5	.08	.09	.0839	.00509
Biashara SACCO Society Ltd	5	.17	.20	.1855	.01275
Breameg SACCO Society Ltd	5	.06	.13	.0933	.02883
Capital SACCO Society Ltd	5	.02	.07	.0384	.01960
Chuna SACCO Society ltd	5	.16	.35	.2352	.07141
Daima SACCO Society Ltd	5	.05	.09	.0808	.01928
Elgon Teacher SACCO Society	5	.05	.08	.0638	.01130

Ltd						
Elimu SAC	CO Society Ltd	5	.09	.14	.1203	.02251
Faridi SAC	CO Society Ltd	5	.04	.09	.0673	.01874
Fortitude SA	ACCO Society Ltd	5	.02	.70	.2499	.26326
Good Faith	SACCO Society Ltd	5	.08	.09	.0833	.00423
Harambee S	SACCO Society Ltd	5	.04	.05	.0470	.00505
Imarika SA	CCO Society Ltd	5	.41	.86	.6077	.18732
Imarisha SA	ACCO Society Ltd	5	.04	.06	.0525	.00862
Jamii SACO	CO Society Ltd	5	.17	.25	.1995	.03472
Kathera Ru Ltd	ural SACCO Society	5	.86	1.53	1.1297	.24582
Kentours S.	ACCO Society Ltd	5	.08	.13	.1094	.02025
Kenya Achi	ievas Kenya SACCO	5	.10	.21	.1415	.04179
Kenya Pol Ltd	ice SACCO Society	5	.37	.63	.4854	.11668
Kenpipe SA	ACCO Society Ltd	5	.09	.25	.1770	.06453
Kimisitu SA	ACCO Society Ltd	5	.05	.22	.1231	.07248
Kingdom S	ACCO Society Ltd	5	.02	.20	.1221	.07307
Kolenge Te	a SACCO Society Ltd	5	.07	.29	.1619	.08219
Koru SACC	CO Society Ltd	5	.11	.91	.3246	.33457
Lontels SA	CCO Society Ltd	5	.14	.22	.1871	.03137
Maisha Bor	ra SACCO Society Ltd	5	.07	.18	.1292	.04643
Metropolita Ltd	in SACCO Society	5	.11	.22	.1685	.03955
Mombasa I Ltd	Port SACCO Society	5	.10	.22	.1655	.04633
Muki SACO	CO Society Ltd	5	.10	.25	.1697	.05734
Miliki SAC	CO Society Ltd	5	.38	.55	.4743	.07589
Mwalimu S	ACCO Society Ltd	5	.10	.14	.1213	.01436
Mwito SAC	CCO Society Ltd	5	.13	.30	.2065	.06955
Mzima SAC	CCO Society Ltd	5	.07	.28	.1261	.08631

Nafaka SACCO Society Ltd	5	.10	.20	.1508	.04186
Nacico SACCO Society Ltd	5	.09	.22	.1443	.05403
Nandi Farmer SACCO Society Ltd	5	.05	.11	.0866	.02314
Ollin SACCO Society Ltd	5	.08	.24	.1601	.06663
Safaricom SACCO Society Ltd	5	.01	.14	.0652	.05736
Sheria SACCO Society Ltd	5	.01	.07	.0482	.02539
Shirika SACCO Society Ltd	5	.02	.11	.0562	.03577
Simba SACCO Society Ltd	5	.02	.16	.0925	.05403
Siraji SACCO Society Ltd	5	.06	.16	.1014	.04266
Stima Investment SACCO society ldt	5	.01	.21	.0660	.08335
Tai SACCO Society Ltd	5	.05	.23	.1294	.07932
Torch SACCO Society Ltd	5	.01	.16	.0683	.06586
Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd	5	.03	.04	.0240	.01622
Un SACCO Society Ltd	5	.02	.12	.0580	.04403
Unisa SACCO Society Ltd	5	.02	.13	.0745	.04635
Unison SACCO Society Ltd	5	.03	.23	.1163	.07280
Ushuru County Farmer SACCO Society Ltd	5	.08	.29	.1681	.08469
United National SACCO Society Ltd	5	.11	.30	.2106	.07806
Vihiga County Farmers SACCO Society	5	.05	.07	.0558	.01114
Vision Point SACCO Society Ltd	5	.11	.28	.2026	.07840
Wakenya Pamoja SACCO Society Ltd	5	.03	.04	.0343	.00666
Wipo SACCO Society Ltd	5	.02	.13	.0792	.04028
Yetu SACCO Society Ltd	5	.09	.20	.1368	.04387
Valid N (listwise)	5				
Average mean				.15904	
Courses Filed Jote 2022					

Source: Filed data 2022

Elgon Teacher SACCO Society Ltd 6.38%, Elimu SACCO Society Ltd 12.03%. Faridi SACCO Society Ltd 6.73%. Good Faith SACCO Society Ltd 8.33%, Imarisha SACCO Society Ltd 5.25%. Jamii SACCO Society Ltd 19.95%. Kathera Rural SACCO Society Ltd 12.97%, Kentours SACCO Society Ltd 10.94%. Kenya Achievas Kenya SACCO 14.15%. Kenpipe SACCO Society Ltd 17.70%, Kimisitu SACCO Society Ltd 12.31%, Kingdom SACCO Society Ltd 12.21%. Kolenge Tea SACCO Society Ltd 16.19%, Lontels SACCO Society Ltd 18.71%. Maisha Bora SACCO Society Ltd 12.92%, Metropolitan SACCO Society Ltd 16.85%. Mombasa Port SACCO Society Ltd, 16.55%, Muki SACCO Society Ltd 16.97%. Mzima SACCO Society Ltd 12.61%, Nafaka SACCO Society Ltd 15.08%, Nacico SACCO Society Ltd, 14.43%, Nandi Farmer SACCO Society Ltd 8.66%. Ollin SACCO Society Ltd 16.01%, Safaricom SACCO Society Ltd 6.52%, Sheria SACCO Society Ltd 4.82%. Shirika SACCO Society Ltd 5.62 %. Simba SACCO Society Ltd 9.25%, Siraji SACCO Society Ltd 10.14%, Stima Investment SACCO society ltd 6.60%. Tai SACCO Society Ltd 12.94%. Torch SACCO Society Ltd 6.83%, Ukristo Na Ufanisi Wa Angalican SACCO Society Ltd 8.02%, Un SACCO Society Ltd 2.40%. Unisa SACCO Society Ltd 5.80%, Unison SACCO Society Ltd 7.45%. Ushuru County Farmer SACCO Society Ltd 16.81%, Vihiga County Farmers SACCO Society 5.58%, Wipo SACCO Society Ltd 7.92 % and Yetu SACCO Society Ltd 13.68%.

Further, the study noted some SACCOs recorded excellent financial performance of more than 20%. For instance, Bandari SACCO society ltd 36.63%, Chuna SACCO Society ltd 23.52%, Fortitude SACCO Society Ltd 24.99%, Koru SACCO Society Ltd 32.46%, Kenya Police SACCO Society Ltd 48.54%, Imarika SACCO Society Ltd 60.77%, Mwito SACCO Society Ltd 20.65%, Miliki SACCO Society Ltd. 47.43%. Mwalimu SACCO Society Ltd 123.93%, Vision Point SACCO Society Ltd 20.26% and United Nationas SACCO Society Ltd 21.06%.

Additionally, the study noted that, financial performance of a few SACCOs was less than 5%. For instance, Airport SACCO Society Ltd 1.33%, Biashara SACCO Society,12.75%, Capital

SACCO Society Ltd 3.84%, Harambee SACCO Society Ltd 4.70% and Wakenya Pamoja SACCO Society Ltd 3.43%. According to Brealey, Myers, and Allen (2016), a SACCO's financial success is a subjective indicator of how effectively it can employ resources from its main line of business to create income in USA. Financial performance is a crucial component of managing financial risk and refers to the extent to which financial objectives are being or have been achieved. It is the process of evaluating the financial impact of a SACCO's activities and policies. It may be used to aggregate comparable SACCOs in the same industries and assess the overall financial health of SACCOs over a specific time period.

4.2 Correlation analysis

The study wanted to find out the nature of relationship that existed between independent variables (solvency, liquidity, leverage and capital adequacy and financial performance. The findings of the study were presented below.

The study identified that; solvency had strong, positive and significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. r=.604 (**) P=.000<0.01. These findings disagreed with Bourke (2013) who found that ROA and performance management, had a negligible negative relationship with short-term debt and long term -debt. In contrast to its unfavorable and negative association with performance management, the TDE was discovered to have a good link with ROE. Thus, the study's conclusion that solvency was not a significant factor in determining the firm's success was reached.

Table 4.6Correlations analysis

 solvency	Liquidity Lever	rage	Capital	Financial
			Adequacy	performance

	Pearson	1	221	.005	152	.604**
Solvency	Correlation	•	1	.002	.102	.001
Solvency	Sig. (2-tailed)		.000	.936	.008	.000
	N	305	305	305	305	305
	Pearson	221	1	.118	465	.410**
Liquidity	Correlation	221	1	.110	403	.410
Liquidity	Sig. (2-tailed)	.000		.039	.000	.000
	N	305	305	305	305	305
	Pearson	005	110	1	000	117*
T	Correlation	.005	.118	1	098	.117*
Leverage	Sig. (2-tailed)	.936	.039		.089	.040
	N	305	305	305	305	305
	Pearson	150	165	000	1	520**
Capital	Correlation	152	465	098	1	538**
Adequacy	Sig. (2-tailed)	.008	.000	.089		.000
	N	305	305	305	305	305
	Pearson	604	410	117	520	1
Financial	Correlation	.604	.410	.117	538	1
performance	Sig. (2-tailed)	.000	.000	.040	.000	
	N	305	305	305	305	305

Source: field data 2022

In addition, the study found out that, liquidity had weak, positive and significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya r= .410 (**) P=.000<0.01. These findings agreed with David and Samuel Adebayo (2013) who noted that, there is a significant link between Credit Cooperative Societies' profitability and liquidity. This was ascribed to the fact that when the debt to equity ratio is lower, the liquidity of Credit Cooperative Societies (SACCOs in Kenya) indicates that there is a favorable trade-off between liquidity and profitability.

similarly, the study found out that, leverage had a weak, positive and significant relationship with financial performance of deposit taking savings and credit cooperative societies

^{**} Correlation is significant at the 0.01 level (2-tailed).

^{*} Correlation is significant at the 0.05 level (2-tailed).

(SACCOS) in Kenya r= .117 (*) P=.000<0.05. According to Rajkumar in (2014) leverage ratio has a significant impact on the financial success of the organization under study.

Finally, the study found out that, capital adequacy had strong, negative and highly significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya r = -.538 (**) P = .000 < 0.01. These findings agreed with Rahman (2017) who established that, capital adequacy had strong and significant positive influence on financial performance of the said SACCOs.

4.3 Assumptions of Panel data

4.3.1 Test of Autocorrelation

Data must have little to no autocorrelation in order to do regression analysis. The used Durbin-Watson statistics, to test autocorrelation. The Durbin-Watson statistics value ranges from 0 to 4, with 2 being the best value for non-autocorrelation. A score closer to 4 suggests a negative autocorrelation, whereas 0 denotes a positive autocorrelation (Srivastava et al., 2005). Accordingly, coefficient values between 1.5 and 2.5 indicate the absence of autocorrelation, but coefficient values between 2.5 and 4 indicate the existence of autocorrelation. As shown in the table 4.7 below

Table 4.7autocorrelation

				Std. Error of the	
Model	R	R Square	Adjusted R Square	Estimate	Durbin-Watson
1	.985(a)	.970	.969	.00573	2.000

Source; field data 2022

a. Predictors: (Constant), Capital Adequacy, solvency, Liquidity, Leverage

b Dependent Variable: Financial performance

The study established that, the Durbin-Watson value was 2.000. Therefore, there was no autocorrelation.

4.3.2 Multi-collinearity Test

The study used a VIF to test for multi-collinearity in a regression model of the predictors. A variance inflation factor (VIF) of more than 10 or a tolerance of less than 0.1 both suggest the presence of multi-collinearity. As shown in table 4.8 below

Table 4.8

Multi-collinearity Test

Model	Model		Collinearity S	Collinearity Statistics		
			Tolerance	VIF		
1	(Constant)	.000				
	Solvency	.000	.353	2.836		
	Liquidity	.000	.347	2.883		
	Leverage	.000	.129	7.736		
	Capital Adequacy	.000	.220	4.541		

Source: Field data 2022

a. Dependent Variable: Financial performance

The study established that, the VIF value for solvency was 2.836, liquidity was 2.883, leverage was 7.736 and capital adequacy was 4.541. The VIF values for the variables was <10. Thus, Multi-collinearity was not present.

4.3.4 Homoscedasticity Test

Homoscedasticity is the property that all levels of the independent variables have the same error variance. Heteroscedasticity is demonstrated when the variance of errors varies at various values of the independent variables. Homoscedasticity was examined using Levene's test. The alpha value for the study was 0.05. If the P value were more than 0.05 Homogeneity existed. The findings were presented in table 4.9 below.

Table 4.9Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Liquidity	2.845	4	300	.024
Solvency	4.859	4	300	.001
Leverage	4.137	4	300	.003
Capital Adequacy	2.406	4	300	.050

Source; Filed data 2022

The study established that liquidity had its p Value .024<0.05, the p Value for solvency was .001 <.05, the P value for leverage had its P value .003 while capital adequacy was .050. Thus, the null hypothesis was rejected and hence, data was not homogenous.

4.4 Panel data

4.4.1 Solvency and financial performance

The study sought to find out how solvency affected financial performance. The carried out a panel regression and findings were presented in tables 4.10 below

(a) Model Summary

Table 4.10

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.604 ^a (a)	.364	.362	.02818

Source: field data 2022

a. Predictors: (Constant), solvency

The results of the study revealed that, R was =.604. Hence, solvency had a positive correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Furthermore, the study established that, the model had an R square of .364. Thereby, change in solvency led to 36.4% change in financial performance of deposit

taking savings and credit cooperative societies (SACCOS) in Kenya. According to Abera (2014), bank solvency is one of the key factors influencing directly profitability of banks in Ethiopia.

Table 4.10
(b) ANOVA

Mode	el	Sum of Squares	Df	Mean Square	F	Sig.
	Regression	.138	1	.138	173.753	.000 ^b
1	Residual	.241	303	.001		
	Total	.379	304			

Source: field data 2022

a. Predictors: (Constant), solvency

b. Dependent Variable: Financial performance

The study identified that, F test was 173.753, P=.000<0.05. Therefore, the overall regression model was fit for the study. Further, the results revealed that, solvency had a significant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

Table 4.10

(c) Coefficients

Model		Unstand Coeffi		Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
1	(Constant)	.070	.007		9.911	.000
1	solvency	.555	.042	.604	13.182	.000

Source: Filed data 2022

a. Dependent Variable: Financial performance

The study revealed that solvency had a positive and significant effect of deposit taking savings

and credit cooperative societies (SACCOS) in Kenya. B=.555, t=13.182, P=.000<0.05. Taking other factors to be constant at zero, solvency led to 7% change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Additionally, the study noted that, a change in solvency led to 60.4% change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, variation in solvency led to significant increase in of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. These findings agreed with Omari, Warrad, and Al-Nimer (2015) who established that, solvency and a firm's financial success were significantly related $Y = \beta_0 + \beta_1 X_1 + \xi$

 $Y=.070+.555X_1$

4.4.2 Liquidity and financial performance

The study carried out a panel regression to determine how liquidity influence financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Findings were presented in tables 4.11 below

(a) Model Summary

Table 4.11

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.410 ^a (a)	.168	.165	.03224

Source: field data 2022

a. Predictors: (Constant), Liquidity

The results of the study revealed that, R was =.410. Hence, liquidity had a direct correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Furthermore, the study established that, the model had an R square of .168. To this end, variation in liquidity led to 16.8% change on financial performance of deposit

taking savings and credit cooperative societies (SACCOS) in Kenya.

Table 4.11

(b) ANOVA

Mod	del	Sum of Squares	df	Mean Square	F	Sig.
	Regression	.064	1	.064	64.00	.000 ^b
1	Residual	.315	303	.0010		

304

Source: Filed data 2022

Total

a. Predictors: (Constant), Liquidity

b. Dependent Variable: Financial performance

.379

The study identified that, F test was 64.00, P=.000<0.05. Therefore, the overall regression model was fit for the study. Further, the results revealed that, liquidity had a significant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. According to Khidmat and Rehman (2014) having effective and efficient liquidity management in order to succeed in their operations and survive, and that both illiquidity and lack of liquidity are "financial diseases" that can quickly erode a SACCO's profit base as they interfere with their efforts to achieve high profitability-levels.

Table 4.11

(c) Coefficients

Model			ndardized fficients	Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
1	(Constant)	.135	.004		36.443	.000
1	Liquidity	.217	.028	.410	7.825	.000

Source: Filed data 2022

a. Dependent Variable: Financial performance

The study revealed that liquidity had a direct and significant effect of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .217, t=7.825, P=.000< 0.05. Taking other factors to be constant at zero, liquidity led to 13.5 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Additionally, the study established that, a change in liquidity led to 41.0 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Consequently, variation in liquidity led to significant increase in of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. These findings agreed with Khidmat *et al.*, (2014) who found that there was a substantial positive connection between liquidity and profitability.

$$Y=\beta_0{+}\beta_2X_2{+}E$$

$$Y=.135+.217X_2$$

4.4.3 Leverage and financial performance

The study carried out a panel regression between leverage and financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Findings were as shown in the tables 4.12 below;

(a) Model Summary

Table 4.12

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.517ª	.267.	.237	.03510

Source: Field data 2022

a. Predictors: (Constant), Leverage

The results of the study revealed that, R was =.517. This indicated that, leverage had a direct correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. In addition, the study found out that, the model had an R square of .267. Accordingly, a unit change in leverage led to 26.7% change in financial performance

of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

Table 4.12

(b) ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
	Regression	.005	1	.005	4.167	.040 ^b
1	Residual	.373	303	.0012		
	Total	.379	304			

Source: Field data 2022

a. Predictors: (Constant), Leverage

b. Dependent Variable: Financial performance

The study identified that, F test was 4.240, P=.040<0.05. The overall regression model therefore was suitable for the study. Moreover, the results revealed that, leverage had a significant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. According to Haron and Ahmed (2018) liquidity had a substantial inverse relationship between leverage and firm performance.

Table 4.12

(c) Coefficients

Model		Unstand	ardized	Standardized	T	Sig.	
		Coeffi	cients	Coefficients			
		В	Std. Error	Beta			
1	(Constant)	.155	.003		48.361	.0	00
1	Leverage	.053	.026	.517	2.059	.0	40

Source: Field data 2022

It was revealed that leverage had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .053, t=.2.059,

a. Dependent Variable: Financial performance

P=.040< 0.05. Taking other factors to be constant at zero, leverage led to 15.5 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Hence, a change in leverage led to 51.7 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Then, change in leverage led to significant increase in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. These findings agreed with Al Nimer et al., (2015) who noted that, profitability and financial leverage did indeed have a favorable link. The results demonstrated a substantial positive connection between ROA and financial leverage.

$$Y = \beta_0 + \beta_3 X_3 + \mathcal{E}$$

 $Y=.155+.053X_3$

4.4.4 Capital adequacy and financial performance

The study sought to determine how capital adequacy affected financial performance. The study carried out panel data and results were presented below in tables 4.13

(a) Model Summary

Table 4.13

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.845(a)	.713	.712	.01747

Source: field data 2022

a. Predictors: (Constant), Capital Adequacy

The results of the study revealed that, R was =.845. Consequently, Capital Adequacy had a direct correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. In addition, it was identified that, the model had an R square of .713. To this end, a unit change in capital adequacy led to 71.3 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. These studies disagreed with findings of Mugwang'a (2019) which failed to gather sufficient evidence to proof the existence of a significant relationship between capital adequacy and the

following: credit risk, liquidity risk, ROA, interest rate risk, return on equity ratio and revenue power ratio.

(b) ANOVA

Table 4.13

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	.230	1	.230	756.579	.000(a)
	Residual	.092	303	.000304		
	Total	.323	304			

Source: filed data 2022

a. Predictors: (Constant), Capital Adequacy

b. Dependent Variable: Financial performance

The study identified that, F test was 756.579, P=.000<0.05. The overall regression model therefore was suitable for the study. Then, the results revealed that, capital adequacy had significant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. According to Bhowmick & Srivastava (2017), Total Shareholders' Fund, Return on Capital Employed, Return on Assets, Return on Equity, Dividends per Share, and Dividend Payout Ratio all have a positive, significant impact on capital adequacy.

Table 4.13
(c) Coefficients

		Unst	andardized	Standardized		
		Со	efficients	Coefficients	Т	Sig.
Model		В	Std. Error	Beta	В	Std. Error
1	(Constant)	.335	.007		51.526	.000
	Capital Adequacy	573	.021	.845	-27.461	.000

Source: Filed data:2022

a. Dependent Variable: Financial performance

The study found out that, capital adequacy had an inverse and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B=-.573, t=-27.461, P=.000<0.05. Taking other factors to be constant at zero, capital adequacy led to 33.5 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Consequently, a unit change in capital adequacy led to 57.3 % decline in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Therefore, change capital adequacy led to significant decrease in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. According to Mendoza and Rivera (2015), capital adequacy had no significant influence on profitability. Thus, these findings contradicted the finding of the current study. Simple regression model was as shown below.

$$Y = \beta_0 + \beta_4 X_4 + \mathcal{E}$$

$$Y=.335+-.573X_4$$

4.5 Multiple Panel Data

The study carried out panel data regression between independent variables (solvency, liquidity, leverage and capital adequacy and financial performance. The findings were presented below in tables 4.14 below.

Table 4.14 (a)

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.985(a)	.970	.969	.00573

Source: field data 2022

a. Predictors: (Constant), Capital Adequacy, solvency, Liquidity, Leverage

The study established that, R was =.985. Consequently, independent variables (solvency, Liquidity, Leverage and Capital Adequacy) had a positive correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. In addition, the study noted that, the model had an R square of .970. This end, a unit change in credit management led to 97.0 % change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

Tables 4.14

(b) ANOVA

Mode	el .	Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	.313	4	.078	234.234	.000(a)
	Residual	.010	300	.000333		
	Total	.323	304			

Source: Field 2022

b. Dependent Variable: Financial performance

The study identified that, F test was 234.234, P=.000<0.05. The overall regression model therefore, was suitable for the study. Then, the results revealed that, capital adequacy, solvency, liquidity and leverage had significant effects on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

Table 4.14 (c)

Coefficients

Model		Unstandardized		Standardized		
		Coeffici	ients	Coefficients	T	Sig.
		В	Std. Error	Beta	В	Std. Error
1	(Constant)	.123	.007		16.548	.000

a. Predictors: (Constant), Capital Adequacy, solvency, Liquidity, Leverage

Solvency	.384	.014	.453	26.707	.000
Liquidity	.081	.008	.166	9.685	.000
Leverage	.528	.053	.280	9.990	.000
Capital Adequacy	269	.015	397	-18.470	.000

Source: field data 2022

a. Dependent Variable: Financial performance

The study found out that, taking other factors to be constant at zero, solvency, liquidity, leverage and capital adequacy contributed to 12.3% change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

The study further, found out that, solvency had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .384, t=26.707, P=.000< 0.05. To this end, change in solvency led to a change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya by 45.3 %. Thus, unit increase in solvency led to a significant increase in financial performance. According to Ongore and Kusa (2017), bank-specific factors significantly influenced the performance of commercial banks in Kenya. ROA, ROE, and NIM were all positively correlated with solvency management, although the relationship was quite feeble.

In addition, the study found out that, liquidity had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B=.081, t=9.685, P=.000< 0.05. Thus, unit increase in liquidity led to a significant increase in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya by 16.6%. These findings were similar to the findings of Roy, Misra, Padhan and Rahman (2016) which indicated that, there was a positive significant relationship between liquidity and profitability of SACCOs. It was concluded that as liquidity of SACCOs has significant importance on financial system of the county, it may affect economic growth of the country alongside profitability.

In addition, the study discovered out that, leverage, had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .528, t=9.990, P=.000< 0.05. Change in leverage led to a change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya by 28.0 %. Thus, unit increase in leverage led to a significant increase in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya. These findings contradicted Gudeta (2013 who found out that, a substantive negative link exists between leverage ratio ad financial performance. When ROE and leverage ratio were tested, a negative associated was noticeable.

Finally, the study identified that; capital adequacy had a negative and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= -.269, t=-18.470, P=.000< 0.05. Then, change in capital adequacy led to a decline in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya by 26.9%. Thus, unit change in capital adequacy led to a significant decline in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya 39.7%. These findings disagreed with Umoru and Osemwegie (2016) who found out that, that there was significant positive effect of capital adequacy on SACCOs profitability. The multiple regression models were shown as follows

$$Y_{it} = \beta_0 + \beta_1 X_{1it} + \beta_2 X_{2it} + \beta_3 X_{3it} + \beta_4 X_{4it} + \acute{\epsilon}_{it}$$

$$Y_{it} = .123 + .384X_1 + .081X_2 + .528X_3 - .269X_4$$

4.5.1 Overall moderating effect of inflation

The study wanted to determine the level to which inflation moderated the relationship between credit risk management practices and financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya. Regression analysis was conducted to determine

whether or not inflation and credit risk management practices were significantly related. The findings were presented in the tables below:

Table 4.15 (a)

Model summary for overall moderating effect of inflation

-					Change sta	atistics			
						F	df1	df2	Sig. F change
Model	R	R	Adjusted	Std. Error	R square	Change			
		Square	R Square	of the	change				
				Estimate					
1	.985(a)	.970	.969	.00573	.970	234.234	4	300	.000 ^b
2	.851(a)	.725	.720	.01866	.245	76.635	4	304	.000°

a. Predictors: (Constant), Capital Adequacy, solvency, Liquidity, Leverage

Source: Filed data 2022

The study established that, the moderating variable (inflation) explained 72.5% change in the relationship between credit risk management practices studied and financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya. Further, the study noted that, credit risk management practices under study contributed to 97.0% change in financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya. However, when combined with inflation, they only contribute to 72.5% change in financial performance. Accordingly, the moderating effect of inflation on the relationship between credit risk management practices studied and financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya is (24.5).

b. Predictors: (Constant), inflation rate, Capital Adequacy, solvency, Liquidity, Leverage X_1M , X_2M , X_3M , X_4M

Table 4.15 (b)ANOVA for overall moderating variable effect of inflation

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	.313	4	.078	234.234	.000(a)
	Residual	.010	300	.000333		
	Total	.323	304			
2	Regression	.274	5	.055	157.599	$.000^{b}$
	Residual	.104	299	.000		
	Total	.379	304			
2	Residual	.104	299		157.599	.00

Source: Field 2022

a. Dependent Variable: Financial performance

b. Predictors: (Constant), Capital Adequacy, solvency, Liquidity, Leverage

c. Predictors: (Constant), inflation rate, Capital Adequacy, solvency, Liquidity, Leverage X_1M , X_2M , X_3M , X_4M

Source: Filed data 2022

The study identified that, F test was 157.599, P=.000<0.05. The overall regression model therefore was suitable for the study. Further, the results revealed that, inflation rate had significant effect on the relationship between capital adequacy, solvency, liquidity, leverage as and financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya

Table 4.15 (c)coefficient overall moderating variable effect of inflation

Model		Unstan	dardized	Standardized		
		Coeffic	cients	Coefficients	T	Sig.
		В	Std. Error	Beta	В	Std. Error
1	(Constant)	.123	.007		16.548	.000
	Solvency	.384	.014	.453	26.707	.000
	Liquidity	.081	.008	.166	9.685	.000
	Leverage	.528	.053	.280	9.990	.000
	Capital Adequacy	269	.015	397	-18.470	.000
2	(Constant)	.900	.012		7.577	.000
	Solvency	.610	.030	.664	20.390	.000
	Liquidity	.288	.024	.544	12.092	.000
	Leverage	.020	.014	.044	1.436	.152
	Capital Adequacy	094	.022	170	-4.389	.000
	X_1M	.582	.043	.633	13.557	.000
	X_2M	.306	.031	.576	9.897	.000
	X_3M	.054	.026	.120	2.100	.037
	X_4M	299	.027	539	-11.086	.000

a. Dependent Variable: Financial performance

Source: Filed data 2022

The study identified that the product of solvency and inflation had significant and positive effect on financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya B=.633, P<0.05, Additionally, the study found out that, liquidity and inflation rates had a positive and significant on financial performance of deposit taking savings

and credit cooperative societies (saccos) B=.576,P<0.05. Further, the study noted that, leverage and inflation likewise had significant effect on financial performance of deposit taking savings and credit cooperative societies B=.120,P<0.05.

Finally, the study revealed that capital adequacy and inflation rats had and negative and significant effect on financial performance of deposit taking savings and credit cooperative societies (saccos) in Kenya B=-.094 P<0.05. The following regression model was derived:

 $Y = .900 + .610X1 + .288X2 + .020X3 - .094X4 + .582 X_1M + .306 X_2M + .054 X_3M - .299 X_{4M}$

4.5.3 Hypothesis testing

The study carried out hypotheses testing based on table 4.14 (c) above

H0₁: Solvency has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya.

The study established that, solvency had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B=.384, t=26.707, P=.000<0.05. Thus, the null hypothesis was rejected.

H0₂: Liquidity has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya

The study found out that, liquidity had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B=.081, t=9.685, P=.000<0.05. Then, the null hypothesis was rejected.

H03: Leverage has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya

In addition, the study discovered out that, leverage had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .528, t=9.990, P=.000< 0.05. Accordingly, the null hypothesis was rejected.

H04: Capital adequacy has no statistically significant effect on financial performance of Deposit Taking SACCOs in Kenya.

Finally, the study identified that; capital adequacy had a negative and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= -.269, t=-18.470, P=.000< 0.05

Similarly, the study tested hypotheses H_{05} and, hypotheses H_{05a} - H_{05d} were tested based on the findings in table 4.15 (c) above .

 H_{05} : Inflation rate has no statistically significant moderating effect on the relationship between risk management practices and financial performance of Deposit Taking SACCOs in Kenya. The study inflation had direct and insignificant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya B = -.006, t = -3.616, P = .000 < 0.05. Thus, the null was rejected.

 $\mathbf{H0}_{5a}$: Inflation rate has no statistically significant moderating effect on the relationship between Solvency and financial performance of Deposit Taking SACCOs in Kenya

The study further, found out that, inflation rate had a positive and significant moderating effect on the relationship between solvency and financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .610, t=20.390=.000< 0.05. The null hypothesis was rejected.

 $\mathbf{H0}_{5b}$: Inflation rate has no statistically significant moderating effect on the relationship between liquidity and financial performance of Deposit Taking SACCOs in Kenya.

Similarly, the study found out that, inflation rate had a positive and significant moderating effect on the relationship between liquidity and financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .288, t=12.092=.000< 0.05. The null hypothesis was rejected.

H0_{5c}: Inflation rate has no statistically significant moderating effect on the relationship between leverage and financial performance of Deposit Taking SACCOs in Kenya.

In addition, the study discovered out that, inflation rate had a positive and significant moderating effect on the relationship between leverage and financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= .020, t=1.436=.152> 0.05. The null hypothesis failed to reject.

 \mathbf{H}_{05d} : Inflation rate has no statistically significant moderating effect on the relationship between capital adequacy and financial performance of Deposit Taking SACCOs in Kenya.

Finally, the study identified that; inflation rate had a negative and significant effect on the relationship between capital adequacy and financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. B= -.094, t=-3.616, P=.000< 0.05. The null hypothesis was rejected.

Table 4.16

Summary of hypotheses testing

	Hypothesis	Result	conclusion	
H ₀₁ :	Solvency has no statistically significant effect	P=.000<0.05.	The	null
	on financial performance of Deposit Taking		hypothesis	was
	SACCOs in Kenya.		rejected.	
H ₀₂ :	Liquidity has no statistically significant effect	P=.000<0.05	The	null
	on financial performance of Deposit Taking		hypothesis	was
	SACCOs in Kenya		rejected	
H ₀₃ :	Leverage has no statistically significant effect	P=.000< 0.05	The	null
	on financial performance of Deposit Taking		hypothesis	was
	SACCOs in Kenya		rejected	
H ₀₄ :	Capital adequacy has no statistically significant	P=.000< 0.05	The	null
	effect on financial performance of Deposit		hypothesis	was
	Taking SACCOs in Kenya		rejected	

H ₀₅ :	Inflation rate has no moderating effect on the	P=.000<0.05.	The	null
	relationship between credit risk practices on		hypothesis	was
	financial performance of Deposit Taking		rejected	
	SACCOs in Kenya			
H _{05a} :	Inflation rate has no statistically significant	P=.000< 0.05	The	null
	moderating effect on the relationship between		hypothesis	was
	Solvency and financial performance of Deposit		rejected	
	Taking SACCOs in Kenya			
H _{05b} :	Inflation rate has no statistically significant	P=.000< 0.05	The	null
	moderating effect on the relationship between		hypothesis	was
	liquidity and financial performance of Deposit		rejected	
	Taking SACCOs in Kenya			
H _{05c}	Inflation rate has no statistically significant	P=.000< 0.05	The	null
	moderating effect on the relationship between		hypothesis	failed
	leverage and financial performance of Deposit		to reject	
	Taking SACCOs in Kenya			
H _{05d} :	Inflation rate has no statistically significant	P=.000< 0.05	The	null
	moderating effect on the relationship between		hypothesis	was
	capital adequacy and financial performance of		rejected	
	Deposit Taking SACCOs in Kenya.			

CHAPTER FIVE

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

5.1 Summary of Findings

5.1.1 Solvency and financial performance

The study noted that, solvency for the majority of SACCOs was less than the generally acceptable level of 30%. For instance, the solvency ratio of Acumen SACCO Society Ltd Afya SACCO society ltd Airport SACCO Society Ltd, Ardhi SACCO Society Ltd, Bandari SACCO society ltd and Baraton University SACCO Society Ltd among others. Further, the study established that, the solvency of a few SACCOs such as Capital SACCO Society Ltd was Chuna SACCO Society ltd, Imarisha SACCO Society Ltd, Mwito SACCO Society Ltd and Safaricom SACCO Society Ltd was above the generally recommended levels. Additionally, the study identified that; solvency had strong, positive and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. The study further, found out that, solvency had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.1.2 Liquidity and financial performance

The study was to establish the effect of liquidity on financial performance of Deposit taking SACCOs in Kenya. The study found out that, Airport SACCO Society Ltd had the highest liquidity while Imarisha SACCO Society Ltd had the lowest liquidity. In addition, the study found out that, liquidity had weak, positive and highly significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya as measured by current ratio.

Further, the study found out that, liquidity had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya when measured by current ratio. Thus, unit increase in liquidity led to a significant increase in

financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.1.3 Leverage and financial performance

The study found out that, most of the SACCOS complied with the statutory requirements on leverage by SASRA. For instance, the leverage for Acumen SACCO Society Ltd, Afya SACCO society ltd, Airport SACCO Society Ltd was less than the statutory requirements of 25%. On the other hand, the study established a few Sacco were not complied with the statutory requirement by SASRA on leverage. For instance, the leverage level for Mzima SACCO Society Ltd, Miliki SACCO Society Ltd, Jamii SACCO Society Ltd was above the ideal level of less than 25%.

Additionally, the study found out that, leverage had a weak, positive and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. The study discovered further that, leverage had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, unit increase in leverage when measured by debt to asset ratio and debt to capital ratio led to a significant increase in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.1.4 Capital adequacy and financial performance

The study found out that, capital adequacy for most SACCOs was above the minimum statutory requirement of 10% by SASRA. For instance, Acumen SACCO Society Ltd, Afya SACCO Society ltd, Ardhi SACCO Society Ltd, Bandari SACCO society ltd and Baraton University SACCO Society Ltd. On the other hand, the study noted capital adequacy for some SACCOs was below statutory requirements. For instance, capital adequacy for Biashara SACCO Society Ltd, Chuna SACCO Society ltd, Daima SACCO Society Ltd, Elimu SACCO Society Ltd, Faridi SACCO Society Ltd. Further, the study found out that, capital adequacy had weak,

negative and highly significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

In addition, the study identified that; capital adequacy had a negative and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Hence, a change in capital adequacy led to a decline in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.1.5 Inflation rates and financial performance

The study established that, inflation was highest in 2016 while in 2017 inflation was the lowest for the five years studied. In addition, the study identified that, inflation had direct and insignificant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, a unit increase in inflation rate led to an insignificant change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.2 Conclusions

5.2.1 Solvency and financial performance

The study concluded that; solvency for the majority of SACCOs was less than the generally acceptable level of 30%. Additionally, the it was concluded that, solvency had strong positive and highly significant correlation with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. As result, SACCOs are encouraged to be solvent so that can significantly increase their financial performance.

The study further, concluded that, solvency had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, unit increase in solvency led to a significant increase in financial performance as measured by return on assets.

5.2.2 Liquidity and financial performance

The study concluded that, liquidity had strong positive and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Additionally, the study concluded that, liquidity had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Further, it was concluded that liquidity contributed a significant change in financial performance of deposit taking savings and credit cooperative societies when measured by current ratio and when measured by quick ratio.

5.2.3 Leverage and financial performance

The study concluded that, most of the SACCOS complied with the statutory requirements on leverage by SASRA. Additionally, it was concluded that, leverage had a strong, positive and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. On other, the study concluded that, leverage had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, unit increase in leverage led to a significant increase in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.2.4 Capital adequacy and financial performance

The study concluded that, capital adequacy for most SACCOs was above the minimum statutory requirement of 10% by SASRA. Further, the concluded that, capital adequacy had weak, negative and highly significant relationship with financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, change in capital adequacy led to a significant decrease in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya SACCOs. Finally, the study concluded that; capital

adequacy had a negative and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.2.5 Inflation rates and financial performance

The study concluded that, inflation had direct and insignificant effect on financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, a unit increase in inflation rate led to an insignificant change in financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya.

5.3 Recommendations of the study

5.3.1 Solvency and financial performance

The study recommended that, SACCO whose solvency was above the generally accepted level, ought to reduce their debt, costs, restructure debts through for instance combining different loans into one, lowering interest rates paid on loans, and re-negotiating terms or extending payment period, increase members, prices and reduce frequency of borrowing. This would make them increase their solvency and hence, financial performance.

Further, the study recommended that, deposit taking savings and credit cooperative societies (SACCOS) in Kenya should be more vigilant on solvency levels as it directly and significantly affects their financial performance.

5.3.2 Liquidity and financial performance

The study recommended that, SACCO, should cut overhead expenses, dispose unnecessary assets change payment cycles, use long time financing, optimum management of receivables and payables would increase their liquidity and hence financial performance

In addition, the study recommended that, deposit taking savings and credit cooperative societies (SACCOS) in Kenya must put in place proper strategies such as developing accurate

cash flow forecasts, examining counterpart insolvency risk, analyzing external risks, avoiding operational risks, proper receivables management, centralizing all financial data to ensure effective and efficient management liquidity so as to increase significantly financial performance.

5.3.3 Leverage and financial performance

The study recommended that, SACCO whose leverage was above the ideal level of less than 25%, should reduce use of very expensive debt as a source of funding. Additionally, it can increase and new customers, cut some unnecessary cost, reduce staff. This would reduce significantly the overdependence on borrowing for investment and instead use retained earning which is cheaper to financial its operation. To this, end, financial performance would increase.

Additionally, the study recommended that, deposit taking savings and credit cooperative societies (SACCOS) in Kenya should use more retained earnings and long-term debt when its absolutely necessary. Using retained earnings as source of finance would increase their financial performance, as it's cheap. On the other long-term debt allows them time pay debt more conveniently. This would increase their financial performance significantly.

5.3.4 Capital adequacy and financial performance

The study recommended that, SACCO, whose capital adequacy was below statutory requirements should sale more equity to new shareholders, convert debtors into equity holders. This would increase available capital for investments, which in return would enhance their financial performance. Further, the study recommended that, Deposit taking SACCOs in Kenya to reduce holding too much capital idle as this would reduce their profitability significantly.

5.3.5 Inflation rate and financial performance

The study recommended that, Deposit taking SACCOs in Kenya should in collaboration with other state agencies like Central bank continue monitoring inflation rates. This would ensure that, they are able detect any an slighted changes in inflation rates so that they can curb its effect whether significant or insignificant on financial performance. Thus, their profitability would be assured.

5.4 Theoretical Implication of the study

The study found out that, liquidity had a positive and significant effect financial performance of deposit taking savings and credit cooperative societies (SACCOS) in Kenya. Thus, unit increase in liquidity led to a significant increase in financial performance deposit taking savings and credit cooperative societies (SACCOS) in Kenya when measured by Current Ratio and quick ratio. These findings, agreed with shift ability theory which holds the view that, liquidity of an institution is preserved only if the institution holds those assets which can easily be sold or those assets which could easily be converted to other investments in exchange for cash. Deposit taking SACCOS' maintain a high level of liquidity through holding assets which are easily convertible into cash and hence, increasing their financial performance.

5.5 Suggestions for further study

The study suggests that mores study to be done on effect of credit risk management practices on financial performance of listed non-financial firms in Kenya.

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APPENDICES

APPENDIX I

SUMMARY OF RESEARCH GAPS

Author and Year	Specific Objective	Methodolog y	Research findings	Research Gaps	Gaps to be filled by the study
Bourke (2013)	The relationshi p solvency and banks profitabilit y for 90 banks in Europe.	Used a multiple regression model to investigate performance.	Found to have a positive relationship with ROE and negative and negative relationship with PM.	The failed to apply descriptive and correlation analysis which is good for measuring relationship of variables.	The current study addresses the gaps by using up to date data and adopting descriptive and correlation analysis.
Graham and Brodeleau (2013)	The impact of solvency on financial performan ce of financial institutions in Canada.	The study used target population of 19 financial institutions in the Canada securities exchange for period covering 2010 to 2014.	The results indicated that solvency was a significant predictor of financial performance .	The study used a smaller sample size of 19 to analysis data and hence the findings cannot be reliable.	The current study uses sample size of 61 which inferences to the larger population.
Abera (2014)	Affecting solvency on profitabilit y of banking industry in Ethiopia.	Mixed methods research approach by combing documentary analysis and in-depth interviews eight commercial	The impact of Ethiopian banks' solvency on their performance remains ambiguous	The study incorporated inferential analysis tools such as (correlation, simple and multiple regression) in the current study to enhance generalizatio	The study came to the conclusion that further research is needed to clarify the effect of Ethiopian banks' solvency on their performance.

Kamoyo	The	banks in Ethiopia	There is	ns and conclusions.	The current
(2016)	determinan ts of solvency on financial performan ce of deposit taking SACCOs in Kenya	used a multiple regression model to investigate financial performance	significant positive relationship between solvency and financial performance	failed to use correlation analysis and panel regression model limit generalization ability	study applies correlation and panel regression model as well which allow inferences to the larger population
Ongore and Kusa (2017)	The determinan ts of solvency on financial performan ce of commercia l banks in Kenya.	Explanatory research design, sample 37 multiple regression model and generalized Least Square on panel data	The findings showed that banks specific factors significant affect the performance of commercial banks in Kenya, except for solvency variable	The study did not include correlation analysis which deals with association of independent variables and dependent variables.	The current study addresses the correlation analysis from local perspectives to address the gaps.
Macharia (2017)	Examine the relationshi p between the profitabilit y and solvency of Savings and Credit Co- operative Societies in Kenya.	The population of the study was comprised all 43 Savings and Credit Cooperative Societies in Kenya operating in the years 2008 to 2012	There is positive relationship between profitability and solvency of Savings and Credit Co-operative Societies in Kenya	The study used a smaller sample size of 43 to analysis data and hence the findings cannot be reliable.	The current study try to fill the gaps in the research.
Ibe (2011)	Determine the impact of liquidity on the	A sample size of 43 banks was used for the	That commercial banks increase loan	The study used a smaller sample size	Current study targets sample
	profitabilit	study in US.	loss provision to	43 to analysis data	size of 61

	y of banks in US.		improve profitability	and hence the findings cannot be reliable.	which larger enough.
Al Nimer, Warrad and Al Omari (2015)	Effect of liquidity on financial performan ce of SACCOs in Jordanian as evident on ROA.	A sample of forty listed SACCOs	There existed a positive relationship between liquidity and profitability.	The study used a smaller sample size 40 to analysis data and hence the findings cannot be reliable.	The current study fills the gaps by considering annual statement documents from the SACCOs.
Mishra and Pradhan (2015)	Impact of liquidity manageme nt on profitabilit y among the private sector SACCOs of India.	The study used inferential statistics to analysis the data	From the findings the study found out that liquidity had a significant negative on financial performance of SACCOs in India	The study failed used both inferential statistics and descriptive statistics to analysis data in the research	The current study filled the gaps by consideri ng both inferentia l statistics and descriptiv e statistics to analysis data in the research.
Moussa and boubaker (2017)	Impact of liquidity on SACCOs profitabilit y suing data for eighteen SACCOs in Tunisia.	Used 2 models of penal statistics	Had positive significant influence on return on assets while the ratio current assets, current liabilities had no significant effect on ROA.	The study failed to use correlation statistics which is good measuring association of variables.	The current study included correction analysis in the research to fill the gaps.

Vaita (2019)	The role of liquidity on financial performan ce of Tier One Listed SACCOs in Kenya.	Used a descriptive research design to SACCOs in Kenya	There exists a positive significant relationship between management efficiency and both ROEand ROA.	The study failed to use cross sectional research design	The current student used cross sectional research to fill the gaps.
Rajkumar(201 4)	Effect of leverage ratio on financial performan ce of deposit taking SACCOs in Sri Lanka.	study used target population of 60 of DTS, regression and correlation analysi	Showed that leverage ratio has a great effect on the financial performance of the company studied.	The study failed to used descriptive statistical analysis is used to describe variables.	The study was conducted in Sri Lanka thus presenting a scope gap. The current study was conducted in Kenya.
Bhardwaj (2017)	Examined of leverage on financial performan ce of deposit taking SACCOs in India.	The sampled of 40 SACCOs registered by SASRA operating in Kenya from the period of 2006 to 2010	The study had a insignificant negative relationship between leverage and financial performance	The study used a smaller sample size of 40 which is not wider enough to give a good result for research	This current study use sample size of 61which was wider enough to give a good result for research.
Zahoor et al. (2015)	The effect of leverage ratio on financial performan ce of Pakistan firms.	Used Panel da from 154,descripti ve analysis and inferential analysis of textile firms quoted at the Karachi Stock Exchange KSE)	Showed a negative link amid leverage the performance of firms.	The study failed to use panel regression analysis	The study focused on textile companies thus presenting a scope gap. The current study focused on Deposit Taking SACCOs in Kenya to fill the gaps.

Gudeta (2013)	The impact of leverage ratio on the financial performan ce of commercia l banks in Ethiopia.	Used sample size of 44 banks over a 5 years term 2008 to 2012, descriptive and multiple regression was used.	Negative relationship exists amid growth in assets and profitability.	The study failed to use correlation statistics which good measuring association of variables.	The current study used correction statistics in the research to the gaps.
Abubakar (2015)	The link between leverage ratio and financial performan ce of banks in Nigeria.	Regression analysis was used	There exists a considerable relationship amid debt to equity and return on equity.	The study failed to use correlation statistics and descriptive statistics.	The current study employed both statistics in research to fill the gaps.
Khalifa Tailab (2012)	To evaluate of capital on financial performan ce of SACCOs in America.	The study employed quasi experimental research design in the research.	The study had a significant positive relationship between capital adequacy and financial performance	The study failed to used cross sectional research design	The current study applied cross sectional research design on SACCO
Haris, Tan, Malik and Ain (2014)	The influence of capital adequacy on the profitabilit y of Pakistani SACCOs,	The study used primary data from the questionnair e and interview	The study had a insignificant negative relationship between capital adequacy and financial performance	The study failed to used secondary data from the published annual financial statement which is easy to understand	The current study used secondary data to fill gaps
Rahman (2017)	The effect of capital adequacy	The data using descriptive	Capital adequacy had strong	The study failed to use research	The current study used a larger sample

Zerfeshewa (2017).	ratio on the performan ce of mid- tier SACCOs in Banglades h. Influence of capital adequacy on banks' profitabilit y in Ethiopia	and inferential statistics The study used Employed descriptive research design,	and significant positive influence on financial performance of the said SACCOs. Established that holding adequate capital is not enough and banks must	design such as cross sectional research design. The study failed to use cross sectional research design.	size which is good to give out different outcome. The current study used cross sectional research design to fill gaps.
Aymen (2018).	The relationshi p between profitabilit y and capital adequacy of Credit Cooperative Societies (SACCOs in Tunisia,	The study ran a regression model	be ready to point out various risk which might Observed the existence of significant negative relationship between capital adequacy and ROA	The study failed to use correlation statistics and descriptive statistics.	The current study used both statistics to fill gaps.
Suka (2019).	Influence of capital adequacy on financial performan ce of financial institution quoted at the Nairobi stock exchange.	Descriptive research design was employed	There was capital adequacy has a positive effect on banks' performance	The study failed to use cross sectional research design.	The current study was carried on SACCOs to fill the gaps.
Zulfiqar and Din (2015)	Effect of inflation	The study used a	The study had a	The study failed to	The current study ad

	rate on financial performan ce of SACCOs of Pakistan textile industry.	multiple regression model to investigate financial performance	significant negative relationship between inflation rate and financial performance	applied descriptive and correlation analysis which is good for measuring relationship of variables	dressed the gaps by applies descriptive and correlation analysis which is good for measuring relationship of variables.
Baba and Nasieku (2016)	Effect of Inflation rate on the performan ce of Nigerian banks.	23 licensed banks in Nigeria participated in this study	Indicated that exchange rate, unemployme nt rate, and interest rate are adversely and significantly related with the FP of banks while inflation rate has an insignificant relationship.	The study focused only on the smaller sample size of 23 of licensed banks in Nigeria.	The study also failed to use a larger sample size which is being used in the current study.
Obeng- Krampah (2020)	Effect of inflation rate variables and performan ce of firms quoted on the Ghana Stock Exchange.	Panel data were used of the period 2007 to 2015	The study also discovered that while interest rates have a negative impact on ROE, inflation has a negative impact on ROA.	The study failed to use correlation statistics and descriptive statistics.	The current study used both correctional and descriptive statistics in the research to fill gaps.

Source: Researcher 2020

APPENDIX II

OPERATIONALIZATION AND MEASUREMENT OF VARIABLES

Type of Variable	Variable	Measurement	Scale			
	Solvency	Total Debt to Equity ratio = Long Term Debt Total Equity	Ratio			
Independent Variables	Liquidity	uidity Current ratio = Current asset Current Liabilities				
	Leverage	Debt to Asset ratio = <u>Total Debt</u> Total Asset	Ratio			
	Capital adequacy	Total capital to total Asset ratio = Total Capital Total Asset	Ratio			
Dependent Variables	Financial performance	Return on asset = Net Income Average total Asset	Ratio			
Moderating variables	Inflation rate	Consumers Price Index = <u>Value of Current Market Basket</u> x 100 Value of Basket in the base year	Percentage			

Source: Researcher (2020)

APPENDIX III

DATA COLLECTION SHEET

Deposit taking SACCOs 2016-2022

			Solvency	Liquidity	Leverage	Capital	Return
						Adequacy	on Asset
No	DT SACCOs'	Year	Long	Current	Debt to	Total	Net
	NAME	S	Term	Ratio	Asset ratio	Capital	income
•	1 (1 11 11 11 11 11 11 11 11 11 11 11 11	5	Debt to	1144110	115500 14010	Ratio to	/average
			equity			total Asset	total
			ratio			ratio	
			ratio			ratio	assets
							divided
							by 2 (%)
1	Acumen	2016	0.0523	0.1805	0.1177	0.1396	0.083
	SACCO	2017	0.0614	0.1717	0.0689	0.1453	0.067
	Society Ltd	2018	0.055	0.1177	0.0689	0.1502	0.0560
		2019	0.0615	0.056	0.1700	0.1063	0.049
		2020	0.0408	0.0342	0.0432	0.1423	0.044
2	Afya	2016	0.1198	0.0114	0.0207	0.2604	0.0089
	SACCO	2017	0.1071	0.0117	0.0208	0.2712	0.0764
	Society Ltd	2018	0.0792	0.0118	0.0181	0.0023	0.094
		2019	0.0759	0.17	0.0171	0.305	0.0995
		2020	0.0988	0.0116	0.0142	0.3341	0.0756
3		2016	0.1024	10.24	0.133	0.058	0.005
5	Airport	2017	0.094	0.1057	0.20	0.102	0.0024
	SACCO	2018	0.021	0.031	0.17	0.28	0.032
	Society Ltd	2019	0.032	0.016	0.0911	0.15	0.014
	Society Ltu	2020	0.008	0.015	0.20	0.105	
							0.01.3
4		2016	0.1079	0.0121	0.0028	0.3586	0.1307
	Ardhi SACCO Society Ltd	2017	0.1078	0.0121	0.0023	0.3831	0.1432
		2018	0.1077	0.0122	0.0026	0.4182	0.1368
		2019	0.1045	0.0122	0.0029	0.3886	0.1298
		2020	0.1046	0.012	0.0037	0.0344	0.1119
5		2016	0.133	0.0213	0.0342	0.2301	0.3321
5		2017	0.1108	0.0310	0.0273	0.205	0.3506
		2018	0.1005	0.018	0.0151	0.21	0.3686
	Bandari	2019	0.0942	0.13	0.0108	0.1712	0.4058
	SACCO Society Ltd	2020	0.08 97	0.10	0.0106	0.1604	0.3743
6		2016	0.0115	0.0115	0.0022	0.1732	0.0771
5	Baraton	2017	0.0116	0.0116	0.0148	0.1717	0.0854
	University	2018	0.0116	0.116	0.0121	0.1166	0.0827
	SACCO	2019	0.0119	0.0119	0.0207	0.1160	0.0833
	Society Ltd	2020	0.0118	0.0118	0.0156	0.1082	0.0912

Biashara 2017 0.1419 0.0721 0.0420 0.0459 0 0 SACCO Society Ltd 2018 0.1312 0.052 0.0226 0.024 0 0 0 0 0 0 0 0 0								
SACCO 2018 0.1312 0.052 0.0226 0.024 0 0 0 0 0 0 0 0 0			2016	0.123	0.0921	0.0807	0.0703	0.1993
Society Ltd 2018 0.1312 0.052 0.0023 0.0102 0.0102 0.0102 0.0102 0.0102 0.0065 0.020 0.0826 0.022 0.012 0.0065 0.020 0.0826 0.022 0.015 0.0065 0.0065 0.020 0.015 0.0065 0.020 0.015 0.0065 0.021 0.0065 0.021 0.0065 0.021 0.0065 0.021 0.0065 0.0076 0.0065 0.0007 0.0076 0.0065 0.0007 0.0076 0.00076 0.00076 0.00076 0.00076 0.00076 0.00076 0.00076 0.00076 0.00076 0.00077 0.00548 0.1820 0.00077 0.0016 0			2017	0.1419	0.0721	0.0420	0.0459	0.1947
Society Society Society Society Society Ltd			2019	0.1212	0.052	0.0226	0.024	0.1845
Separate	ty L	Ltd						0.1664
Breameg SACCO								
SACCO								0.1825
Society Ltd								0.1301
2018 0.0123 0.032 0.0721 0.1597 0			2017	0.021	0.0452	0.0907	0.2076	0.1154
Capital SACCO Society Ltd Daima Daima SACCO Society Ltd Daima	iy L	Liu	2018	0.0123	0.032	0.0721	0.1597	0.0870
Capital SACCO								0.0730
9 SACCO Society Ltd 2016 0.0779 0.0117 0.0404 0.0730 0 0 10 Chuna SACCO Society Ltd 2017 1.477 0.0118 0.0418 0.01191 0.0390 0.0683 0 0 10 Chuna SACCO Society Ltd 2016 0.4370 0.04197 0.0275 0.1669 0 0 2017 0.465 0.0319 0.0661 0.1060 0 0.0320 0.0120 0.0466 0.0985 0 2018 0.3305 0.0120 0.0466 0.0985 0 0.0398 0.064 0.0444 0 2019 0.2895 0.15 0.0847 0.044 0 0.0309 0.0698 0.0309 0 2018 0.3305 0.0120 0.0698 0.0309 0.0309 0 2019 0.2895 0.15 0.0847 0.044 0.044 0 2010 0.2895 0.15 0.0847 0.0401 0 2011 0.0592 0.116 0.1370 0.0701 0 2019 0.0116 0.018 0.1480 0.0631 0 2019 0.01386 0.0117 0.1401 0.0246 0 2010 0.3404 0.033 0.3327 0.2202 0 2011 0.3404 0.033 0.3327 0.2202 0 2012 0.1523 0.003 0.1211 0.2171 0 2019 0.1523 0.003 0.0121 0.0137 0.2242 0 2010 0.0591 0.012 0.065 0.0071 0 2018 0.0369 0.0115 0.027 0.0300 0 2019 0.0144 0.01204 0.2792 0.0112 0 2019 0.0144 0.01204 0.2792 0.0112 0 2019 0.0144 0.01204 0.0291 0.0233								0.0612
Society Ltd			_					0.0711
11			2017	1 477	0.0118	0.0418	0.1191	0.0344
10	iy L	Liu						0.0391
10								0.0211
Chuna			2017	0.0277	0.111	0.0321	0.1437	0.0211
SACCO Society Ltd 2017 0.465 0.0319 0.0661 0.1060 0 0.2018 0.3305 0.0120 0.0466 0.0985 0 0.1902 0.2895 0.15 0.0847 0.044 0 0 0.2895 0.15 0.0847 0.044 0 0 0.200 0.1902 0.20 0.0698 0.0309 0 0 0 0 0 0 0 0 0			_					-0.0261
Society Ltd 2018 0.3305 0.0120 0.0466 0.0985 0 0 0.0190 0.2895 0.15 0.0847 0.044 0 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0309 0 0.0098 0.0099 0.00999 0.0099 0.0099 0.0099 0.0099 0.0099 0.0099 0.00999 0.0099 0.0099 0.0099 0.0099 0.0099 0.0099 0.00999 0.0099 0.0099 0.0099 0.0099 0.0099 0.0099 0.00999 0.00	a							0.3454
11 Daima 2016 0.2356 0.0115 0.0847 0.044 0 0 0 0 0 0 0 0 0	CO	C	2017	0.465	0.0319	0.0661	0.1060	0.1635
Daima SACCO Society Ltd 2016 0.2895 0.15 0.0847 0.044 0 0 0.0698 0.0309 0 0 0 0 0 0 0 0 0	ty L	Ltd						0.2561
11	- 5		2019	0.2895	0.15	0.0847	0.044	0.1841
SACCO Society Ltd 2017			2020	0.1902	0.20	0.0698	0.0309	0.227
Society Ltd		<u> </u>	2016	0.2356	0.0115	0.1085	0.0401	0.0914
2019 0.0116 0.018 0.1480 0.0631 0			2017	0.0592	0.116	0.1370	0.0701	0.0468
12 Elgon Teacher SACCO Society Ltd			2018	0.064	0.0119	0.1544	0.0983	0.0908
12 Elgon Teacher 2016 0.4023 0.022 0.4083 0.3071 0 0			2019	0.0116	0.018	0.1480	0.0631	0.0912
SACCO Society Ltd 2017			2020	0.1386	0.0117	0.1401	0.0246	0.0840
Society Ltd 2017			2016	0.4023	0.022	0.4083	0.3071	0.0774
2019 0.1523 0.003 0.1211 0.2171 0			2017	0.3404	0.033	0.3327	0.2202	0.0739
13 Elimu SACCO 2016 0.0591 0.012 0.065 0.0071 0 0.0563 0.0493 0 0.0159 0.0159 0.0159 0.0563 0.0493 0 0.0159 0.0159 0.0159 0.0159 0.0563 0.0493 0 0.0159 0.01			2018	0.01832	0.021	0.0137	0.2242	0.0594
13 Elimu SACCO Society Ltd			2019	0.1523	0.003	0.1211	0.2171	0.0576
Society Ltd 2017 0.0669 0.01190 0.0563 0.0493 0 2018 0.0369 0.0115 0.027 0.0300 0 2019 0.0144 0.01204 0.2792 0.0112 0 2020 0.0285 0.0117 0.1223 0.0233 0 14 Faridi SACCO Society Ltd 2016 0.0729 0.0114 0.0291 0.0889 0 2017 0.0602 0.12 0.0242 0.0704 0			2020	0.13	0.0012	0.0124	0.0704	0.0509
Society Ltd 2017 0.0669 0.01190 0.0563 0.0493 0 2018 0.0369 0.0115 0.027 0.0300 0 2019 0.0144 0.01204 0.2792 0.0112 0 2020 0.0285 0.0117 0.1223 0.0233 0 14 Faridi SACCO Society Ltd 2016 0.0729 0.0114 0.0291 0.0889 0 2017 0.0602 0.12 0.0242 0.0704 0	ı SA	SACCO	2016	0.0591	0.012	0.065	0.0071	0.1440
2019 0.0144 0.01204 0.2792 0.0112 0 2020 0.0285 0.0117 0.1223 0.0233 0 14 Faridi SACCO 2016 0.0729 0.0114 0.0291 0.0889 0 Society Ltd 2017 0.0602 0.12 0.0242 0.0704 0								0.1408
2019 0.0144 0.01204 0.2792 0.0112 0 2020 0.0285 0.0117 0.1223 0.0233 0 14 Faridi SACCO 2016 0.0729 0.0114 0.0291 0.0889 0 Society Ltd 2017 0.0602 0.12 0.0242 0.0704 0			2018	0.0369	0.0115	0.027	0.0300	0.1177
2020 0.0285 0.0117 0.1223 0.0233 0								0.1088
14 Faridi SACCO Society Ltd 2016 0.0729 0.0114 0.0291 0.0889 0 2017 0.0602 0.12 0.0242 0.0704 0								0.0902
Society Ltd 2017 0.0602 0.12 0.0242 0.0704 0								
2017 0.0602 0.12 0.0242 0.0704 0								0.0372
2018 0.0511 0.0121 0.0024 0.0856 0.	-		2017	0.0602	0.12	0.0242	0.0704	0.0636
2010 0.0311 0.0121 0.0024 0.0030 0			2018	0.0511	0.0121	0.0024	0.0856	0.08
2019 0.0483 0.025 0.0882 0.0714 0			2019	0.0483	0.025	0.0882	0.0714	0.0850

		2020	0.0404	0.0122	0.0032	0.044	0.0706
15	Fortitude	2016	0.0170	0.0211	0.3320	0.0982	0.02262
	SACCO Society Ltd	2017	0.1902	0.0134	0.2583	0.0583	0.7029
	Society Liu	2018	0.1542	0.012	0.1882	0.0327	0.2091
		2019	0.071	0.20	0.1427	0.0103	0.1862
		2020	0.067	0.012	0.0714	0.024	0.1289
16	Good Faith	2016	1.6993	0.92	0.0203	4.421	0.0799
	SACCO Society Ltd	2017	1.6914	0.0115	0.0284	4.5789	0.0889
		2018	1.5341	0.0116	0.0231	4.5393	0.0868
		2019	1.6143	0.0117	0.0344	5.6519	0.0805
		2020	1.5144	0.0116	0.0268	5.8040	0.0804
17	Harambee	2016	0.0826	0.0116	0.0002	0.1583	0.0458
	SACCO Society Ltd	2017	0.2371	0.15	0.0013	0.3830	0.0396
		2018	0.0997	0.0120	0.0036	0.3553	0.0501
		2019	0.0154	0.0118	0.0055	0.3569	0.0466
		2020	0.1282	0.12	0.0039	0.3181	0.0530
18	Imarika SACCO	2016	0.0820	0.1108	0.1460	0.1208	0.7295
	Society Ltd	2017	0.0720	0.1628	0.1320	0.1001	0.8616
		2018	0.0304	0.1407	0.1140	0.092	0.4094
		2019	0.021	0.0826	0.145	0.059	0.4643
		2020	0.0102	0.0626	0.0991	0.0440	0.5736
19	Imarisha SACCO	2016	0.1796	0.0117	0.0224	1.3619	0.0612
	Society Ltd	2017	0.3314	0.0114	0.0044	2.2908	0.0443
		2018	0.6491	0.0114	0.0073	3.8222	0.0624
		2019	1.0342	0.0112	0.0024	6.9551	0.0459
		2020	0.6828	0.0117	0.0149	6.0598	0.0489
20	Jamii SACCO	2016	0.0323	0.022	0.3826	0.037	0.1899
	Society Ltd	2017	0.046	0.032	0.3344	0.029	0.1766
		2018	0.037	0.22	0.3030	0.026	0.2526
		2019	0.033	0.51	0.1806	0.023	0.2135
		2020	0.0204	0.21	0.1002	0.023	0.1650
21		2016	0.16	0.03620	0.1585	0.1427	1.525
		2017	0.14	0.3050	0.1092	0.1208	1.0912

	Kathera Rural	2018	0.1235	0.1140	0.0581	0.1071	1.1502
	SACCO	2019	0.0988	0.171	0.0345	0.0242	1.0197
	Society Ltd						
		2020	0.0142	0.075	0.023	0.0117	0.8624
22	Kentours	2016	1.8917	0.0114	0.0104	1.7543	0.1006
	SACCO	2017	1.3508	0.0118	0.0093	1.7727	0.1183
	Society Ltd	2018	1.5605	0.0119	0.0082	1.9561	0.1211
	j	2019	0.1479	0.01226	0.0082	1.9944	0.1289
		2020	0.2340	0.012	0.0078	3.9190	0.0783
23	Kenya Achievas	2016	0.0323	0.0420	0.037	0.1344	0.208
	Kenya	2017	0.0350	0.0331	0.029	0.126	0.1450
	SACCO SACCO	2018	0.022	0.0121	0.026	0.082	0.1120
	Society Ltd	2019	0.0112	0.62	0.023	0.0631	0.1420
		2020	0.0035	0.5	0.018	0.046	0.1005
24	Kenya Police SACCO	2016	0.2510	0.0542	0.2340	0.062	0.6254
	Society Ltd	2017	0.1692	0.0349	0.1579	0.1226	0.5968
		2018	0.1236	0.0504	0.1605	0.1010	0.4222
		2019	0.1144	0.029	0.0508	0.0218	0.4109
		2020	0.0935	0.028	0.0317	0.014	0.3718
25	Kenpipe SACCO	2016	0.0002	0.1011	0.1149	0.1698	0.2489
	Society Ltd	2017	0.0301	0.022	0.24	0.1551	0.2350
		2018	0.0002	0.059	0.073	3.8222	0.1624
		2019	0.0101	0.0354	0.044	0.1208	0.1443
		2020	0.10	0.1519	0.022	0.1319	0.0943
26	Kimisitu	2016	0.2159	0.11	0.1419	0.175	0.2207
	SACCO	2017	0.1886	0.2042	0.1831	0.1079	0.1660
	Society Ltd	2018	0.1339	0.1726	0.132	0.088	0.1204
		2019	0.1298	0.1277	0.123	0.065	0.0628
		2020	0.1006	0.1142	0.1078	0.0586	0.0456
27	Kingdom SACCO	2016	0.1045	0.1842	0.1993	0.2019	0.02390
	Society Ltd	2017	0.0959	0.1586	0.1771	0.1119	0.2021
		2018	0.0722	0.1119	0.1455	0.0939	0.1840
		2019	0.0223	0.082	0.1082	0.0492	0.1166
		2020	0.017	0.0444	0.0986	0.0207	0.0840
28	KolengeTea	2016	0.1418	0.0302	0.0897	0.1110	0.2926
_0	SACCO	2017	0.1116	0.0833	0.0615	0.1598	0.1779
	Society Ltd	2018	0.0916	0.0601	0.0915	0.1321	0.1404
		2019	0.0716	0.082	0.0219	0.0640	0.1256
		2020	0.0416	0.0912	0.0116	0.0439	0.0730

29	Koru SACCO	2016	0.1689	0.2017	0.1112	0.1217	0.2542
	Society Ltd	2017	0.1429	0.1917	0.0940	0.1110	0.2117
	Society Ltd	2018	0.1341	0.1318	0.0626	0.042	0.1317
		2019	0.0910	0.0759	0.0300	0.051	0.1114
		2020	0.042	0.0571	0.015	0.0208	0.914
		2020	0.0.2	0.0571	0.012	0.0200	0.511
30	Lontels SACCO	2016	0.2897	0.085	0.1419	0.142	0.1918
	Society Ltd	2017	0.1198	0.0570	0.0831	0.1077	0.2087
		2018	0.0907	0.032	0.032	0.1142	0.2227
		2019	0.0630	0.0160	0.0323	0.134	0.1673
		2020	0.0504	0.86	0.0170	0.1122	0.1448
31	Maisha Bora SACCO	2016	0.1339	0.1002	0.1993	0.1219	0.1845
	Society Ltd	2017	0.0886	0.0518	0.1747	0.1016	0.1664
1		2018	0.059	0.0418	0.0854	0.086	0.1233
		2019	0.0329	0.0323	0.0473	0.0538	0.1002
		2020	0.0145	0.0116	0.0260	0.0390	0.0717
32	Metropolitan	2016	0.0926	0.0217	0.1110	0.22	0.2151
	SACCO	2017	0.1105	0.0214	0.1009	0.2168	0.192
	Society Ltd	2018	0.1277	0.09	0.0809	0.1732	0.1720
	Zoolotj Zta	2019	0.1520	0.1010	0.0755	0.1152	0.1517
		2020	0.0470	0.1118	0.0320	0.0912	0.1116
33	Mombasa Port	2016	0.1009	0.1841	0.0514	0.1635	0.2217
	SACCO Society Ltd	2017	0.0902	0.0211	0.0314	0.1344	0.195
		2018	0.0755	0.0335	0.0205	0.1212	0.1626
		2019	0.0320	0.039	0.0103	0.1191	0.1479
		2020	0.0215	0.0240	0.0390	0.0689	0.1004
34	Muki SACCO Society Ltd	2016	0.1370	0.0471	0.1480	0.1372	0.2451
	,	2017	0.152	0.0583	0.1016	0.0946	0.1958
		2018	0.0592	0.0360	0.0716	0.0756	0.1807
		2019	0.0314	0.0908	0.0118	0.0840	0.1261
		2020	0.021	0.069	0.0018	0.0774	0.1007
35	Miliki SACCO Society Ltd	2016	0.070	16.60	0.4779	0.00100	0.5524
	_	2017	0.707	23.80	0.4740	0.0418	0.5473
		2018	0.1501	20.08	0.6803	0.0410	0.4674
		2019	0.1321	0.3000	0.7270	0.1010	0.4263
		2020	0.0910	0.1401	0.5325	0.0209	0.3781
36		2016	0.0303	0.0502	0.0165	0.2300	0.1402
		2017	0.0130	0.0122	0.0102	0.2806	0.1208

	Mwalimu						
	SACCO Society Ltd	2018	0.122	0.0122	0.0112	0.2182	0.1268
	Society Ltd	2019	0.122	0.14	0.0140	0.3031	0.1178
		2020	0.105	0.03	0.0123	0.1586	0.1007
37	Mwito SACCO	2016	0.7120	0.0218	0.0256	0.345	0.3001
	Society Ltd	2017	0.6430	0.0109	0.0107	0.2473	0.2506
		2018	0.3408	0.14	0.0101	0.2266	0.1982
		2019	0.2916	0.15	0.0108	0.1902	0.1526
		2020	0.0807	0.11	0.002	0.1152	0.1312
38	Mzima	2016	0.0760	0.0210	0.5123	0.2032	0.2771
	SACCO Society Ltd	2017	0.1020	0.2	0.3439	0.1817	0.1154
	Boelety Ltd	2018	0.0540	0.12	0.2438	0.1260	0.0917
		2019	0.0293	0.17	0.1917	0.1060	0.0804
		2020	0.0980	0.11	0.1197	0.0480	0.0660
39	Nafaka	2016	0.2016	0.032	0.1018	0.1104	0.2025
	SACCO	2017	0.1116	0.076	0.1118	0.085	0.1802
	Society Ltd	2018	0.1235	0.053	0.1585	0.1277	0.1507
		2019	0.0988	0.032	0.0792	0.0712	0.1198
40	Nacico	2020	0.042 0.1666	0.035 0.032	0.0181 0.122	0.1427 0.2026	0.1007 0.2200
	SACCO Society Ltd	2017	0.2604	0.119	0.0122	0.131	0.1802
		2018	0.1628	0.082	0.119	0.1122	0.1078
		2019	0.0756	0.034	0.1045	0.142	0.1223
		2020	0.0461	0.0320	0.0029	0.142	0.0910
41	Nandi Farmer	2016	0.180	0.1045	0.195	0.1664	0.1015
	SACCO Society Ltd	2017	0.162	0.082	0.1016	0.0833	0.1120
	Society Liu	2018	0.0823	0.066	0.0538	0.0502	0.0897
		2019	0.1516	0.1120	0.1390	0.0717	0.0776
		2020	0.156	0.0710	0.0421	0.1051	0.0522
42	Ollin SACCO	2016	0.2017	0.1635	0.1402	0.1841	0.2405
	Society Ltd	2017	0.0110	0.0344	0.113	0.0211	0.2109
		2018	0.0926	0.0512	0.0505	0.0335	0.0755
		2019	0.149	0.0291	0.0803	0.143	0.1520
		2020	0.504	0.0689	0.0390	0.1240	0.1215
43	Safaricom SACCO	2016	0.2451	0.0372	0.1480	0.0471	0.1370
	Society Ltd	2017	0.0958	0.044	0.01016	0.0983	0.1092
	-	2018	3.380	0.075	0.0416	0.1360	0.0592
		2019	0.0261	0.0850	0.028	0.0908	0.0116
		2020	0.227	0.067	0.002	0.0594	0.0090
44		2016	0.052	0.019	0.1209	0.209	0.009
		2017	0.015	0.022	0.1088	0.115	0.071

	Sheria SACCO	2018	0.0826	0.028	0.1450	0.0369	0.0669
	Society Ltd	2019	0.035	0.122	0.0901	0.127	0.0563
	Society Ltd	2017	0.000	0.122	0.0901	0.127	0.000
		2020	0.1085	0.038	0.0112	0.0047	0.0379
45	Shirika SACCO	2016	0.0493	0.0312	0.1523	0.0882	0.1089
	Society Ltd	2017	0.0847	0.0591	0.1444	0.1583	0.0756
	Society Ltd	2018	0.1495	0.0108	0.1500	0.1327	0.0437
		2019	0.1208	0.015	0.0706	0.1125	0.0300
		2020	0.0968	0.0212	0.1918	0.0256	0.0227
46	Simba SACCO Society Ltd	2016	0.1673	0.0291	0.0268	0.0460	0.16
		2017	0.0636	0.072	0.1544	0.0519	0.116
		2018	0.1296	0.031	0.2883	0.0927	0.1091
		2019	0.0704	0.021	0.111	0.0805	0.0541
		2020	0.0371	0.14	0.162	0.1263	0.0231
47	Siraji SACCO Society Ltd	2016	0.0593	0.0284	0.0805	0.05736	0.1569
		2017	0.0831	0.0914	0.0524	0.0530	0.1346
		2018	0.068	0.0502	0.0799	0.0631	0.085
		2019	0.0474	0.016	0.1473	0.1181	0.0754
		2020	0.024	0.020	0.1210	0.0223	0.0550
48	Stima Investment	2016	0.0020	0.061	0.023	0.0302	0.2135
	SACCO Society Ltd	2017	0.0120	0.039	0.0116	0.0117	0.0459
	Society Ltd	2018	0.0290	0.0337	0.0046	0.1011	0.0331
		2019	0.0997	0.0830	0.0826	0.0828	0.0251
		2020	0.0036	0.96	0.0002	0.0149	0.0124
49	Tai SACCO Society Ltd	2016	0.0024	0.0592	0.1899	0.0492	0.231
		2017	0.0342	0.032	0.0612	0.0624	0.173
		2018	0.0224	0.043	0.0276	0.0592	0.1434
		2019	0.0112	0.0624	0.0619	0.098	0.0543
		2020	0.0001	0.0526	0.1519	0.0331	0.0451
50	Torch SACCO Society Ltd	2016	0.021	0.064	0.0020	0.0616	0.1632
		2017	0.0012	0.0466	0.0120	0.0396	0.106
		2018	0.0424	0.0373	0.0290	0.0537	0.046
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			1	1	ı	ı	-
		2019	0.1282	0.056	0.0997	0.0830	0.026
		2020	0.0039	0.034	0.0036	0.0096	0.0002
		2020	0.0039	0.034	0.0030	0.0090	0.0002
51	Ukristo Na	2016	0.0020	0.1011	0.0024	0.0592	0.044
	Ufanisi Wa						
	Angalican	2017	0.1583	0.0598	0.1342	0.0822	0.0314
	SACCO						
	Society Ltd	2018	0.1445	0.1506	0.0224	0.0834	0.0254
		2019	0.0458	0.0489	0.0112	0.0624	0.019
		2020	0.0795	0.0650	0.001	0.0526	0.0001
		2020	0.0773	0.0030	0.001	0.0320	0.0001
52	Un SACCO	2016	0.0009	0.21	0.1197	0.0019	0.1183
	Society Ltd	2017	0.0117	0.012	0.1289	0.00124	0.0912
	•	2018	0.1519	0.071	0.0692	0.1572	0.0344
		2019	0.1796	0.0340	0.0944	0.01505	0.027
		2020	0.0224	0.70	0.0440	0.0002	0.0102
52	Linias CACCO	2020 2016	0.0224	0.78 0.082	0.0449	0.0082 0.0171	0.0193 0.1145
53	Unisa SACCO	2010	0.0093	0.082	0.0991	0.01/1	0.1145
	Society Ltd	2017	0.0508	0.054	0.1341	0.0759	0.1300
		2018	0.1724	0.043	0.0829	0.01518	0.0626
		2019	0.018	0.1006	0.0089	0.051	0.0440
		2020	0.0012	0.550	0.0887	0.0317	0.0212
54	Unison	2016	0.1104	0.6	0.0202	0.0506	0.225
	SACCO						
	Society Ltd	2017	0.0995	0.012	0.0120	0.01298	0.142
		2018	0.1177	0.0897	0.0223	0.1339	0.1077
		2019	0.0712	0.098	0.1046	0.0886	0.0726
		2020	0.1427	0.0207	0.0037	0.0159	0.0342
		2020	0.1127	0.0207	0.0037	0.0137	0.0312
55	Ushuru County	2016	0.0182	0.23	0.0165	0.0455	0.2917
	Farmer						
	SACCO	2017	0.1312	0.1078	0.0586	0.0771	0.2020
	Society Ltd	2010	0.0060	0.0122	0.0420	0.1002	0.1649
		2018	0.0968	0.0132	0.0430	0.1993	0.1648
		2019	0.0686	0.103	0.0307	0.1347	0.1051
		2017	0.0000	0.100	0.020,	0.15.7	0.1301
		2020	0.1077	0.21	0.0243	0.0854	0.0771
56	United	2016	0.0986	0.041	0.0321	0.2511	0.296
	NationasSACC	2017	0.1002	0.005	0.0777	0.0201	0.2770
	O Society Ltd	2017 2018	0.1082 0.1455	0.095 0.0307	0.0777	0.0391 0.2561	0.2779 0.2104
		2018	0.1455	0.0307	0.098	0.2561	0.2104
		2019	0.0771	0.0201	0.1110	0.1033	0.1330
		2020	0.1773	0.037	0.210	0.210	0.1130
57	Vihiga County	2016	0.1011	0.0113	0.0808	0.0211	0.0721
	FarmersSACC						
	O Society Ltd	2017	0.100	0.10	0.0702	0.2005	0.0623
		2019	0.0014	0.0100	0.000	0.1000	0.0512
		2018	0.0914	0.0108	0.0692	0.1008	0.0512
		2019	0.0800	0.14	0.0971	0.0812	0.0480
			0.3000	0.11	0.0571	0.0012	3.3.03
		2020	0.0712	0.16	0.0698	0.0614	0.0455

58	Vision Point SACCO	2016	0.0512	0.122	0.1408	0.0968	0.2832
	Society Ltd	2017	0.0620	0.064	0.0895	0.0654	0.2404
		2018	0.0826	0.0108	0.0347	0.0071	0.2523
		2019	0.126	0.051	0.0493	0.0012	0.1122
		2020	0.1085	0.012	0.0279	0.012	0.125
59	Wakenya Pamoja	2016	0.115	0.033	0.044	0.162	0.044
	SACCO	2017	0.120	0.042	0.045	0.153	0.036
	Society Ltd	2018	0.103	0.041	0.047	1.764259	0.034
		2019	0.211	0.053	0.053	0.173	0.0321
		2020	0.032	0.041	0.030	0.112	0.0256
60	Wipo SACCO Society Ltd	2016	0.031	0.0 65	0.209	0.0968	0.128
	Society Ltd	2017	0.1130	0.0409	0.115	0.1408	0.102
		2018	0.0285	0.0350	0.0369	0.148	0.084
		2019	0.1223	0.021	0.077	0.0847	0.059
		2020	0.0038	0.0112	0.0047	0.0493	0.023
61	Yetu SACCO Society Ltd	2016	0.0071	0.0706	0.0956	0.0902	0.196
	Society Ltd	2017	0.018	0.1500	0.0137	0.1242	0.1643
		2018	0.2087	0.044	0.0024	0.0371	0.1321
		2019	0.0850	0.1523	0.0211	0.0704	0.1014
		2020	0.2227	0.832	0.0137	0.1206	0.0903

Source: SASRA, 2020

DEPOSIT TAKING SACCOS IN KENYA

			Solvency	Liquidity	Leverage	Capital	Return on Asset
			-			Adequacy	
		1					
N	DT	Y	Long Term	Current	Debt to Asset	Total Capital	Net income
О	SAC	E	Debt to equity	Ratio	ratio	Ratio to total	/average total
	COs'	A	ratio 100%			Asset ratio	assets divided by
	NAM	R					2 (%)
1	E	20	613319678.51x	126000421.2	1462060402.74	1407002 02-10	571047002 20-1
1	Acum enSA	20 16	100%/11726953	126989421.2 5/7035425	1463069402.74 x100%/124304	1487082.02x10 0/10652450=0.1	571947903.38x1 00%/137818772/
	CCO	10	7 =5.23%	=18.05	962 =11.77%	396%	2 = 8.3%
	Societ	20	47147825.86x1	131844978.8	496153957.56x	917553153.75x	416421689.7x10
	y Ltd	17	00%/7678799	3/7678799	100%/8173870	100%/63148875	0%/124304982/2
	y Liu	1 /	=6.14%	=17.17	8=6.07%	=14.53%	=6.7%
		20	44093434x100	1320401286.	48208361048X	123411557.46X	659959470.037x
		18	%/8016988 =	4/235785944	100%/2835785	100%/11609742	100%/26937121
		10	5.55%	=5.6	944 =17.00%	=10.63%	2.26/2 =4.9%
		20	206549400.783	1320401286.	48208361048X	123411557.46X	659959470.037x
		19	x100%/3358526	4/235785944	100%/2835785	100%/11609742	100%/26937121
		17	8.42 = 6.15%	=5.6	944 =17.00%	=10.63%	2.26/2 =4.9%
		20	143776266.48x	882764921.1	1267538448.96	232278381.81X	645505691.6x10
		20	100%/35239281	6/258118398	x100%/293411	100%/16323147	0%/293,411,678/
			= 4.08%	=3.42	678 =4.32%	=14.23%	2 =4.4%
2	Afya	20	1395826.938x	167990400/1	34840625.4 x	1396421.5608x	748988.4x100%/
	SAC	16	100%/	47360000 =	100%/	100%/5362602	168312000/2=0.
	CO		11651310 =	1.14	168312000 =	= 26.04%	89%
	Societ		11.98%		2.07%	20.0.70	
	y Ltd	20	2094725.7387x	200328570x/	4172230.4x100	2094710.2896x	100292500x100
		17	100%/19558597	171221000=	%/200588000=	100%/7723858=	%/200588000/2=
			=10.71%	1.17	2.08%	27.12%	7.64%
		20	165844.116662	229665013.0	4184997.9979x	2094882.78x10	10867121.873x1
		18	44x100%/26439	6x/19463136	100%/2312153	0%/9108186=23	00%/231215359/
			285=7.92%	7=1.18	59=1.81%	%	2=9.4%
		20	2444484.9627x	41228221.16	4880272.7457x	2444574.085x1	14198454.33325
		19	100%/32206653	x242518948	100%/2853960	00%/8014997	x100%/2853960
			=7.59%	=0.17	67=1.71%	=3.05%	67/2=9.95%
		20	390995.566x10	394525287.0	4863497.2878x	3910827.2619x	12946492.7802x
		20	0%/39574445=9	992x293196	100%/3424998	100%/11705559	100%/34249980
2	A :	20	.88%	557=1.16	09=1.42%	=33.41%	9/2=7.56%
3	Airpo	20 16	631772190.72X 100%/61696503	9738844979 2x/95105955	13827561630.4 X100%/103966	6030064470.4X 100%/10396662	259916572x/100 %/1039666288/2
	rt SAC	10	=10.24%	0 = 10.24	6288 =13.3%	88/=5.8	=0.5%
	CO	20	732351894.4Bx	1230699923	25474393140x1	12991940501.4	318429914.25x1
	Societ	17	100%/77909776	9.22/116433	00%/12737196	x100%/1273719	00%/127371965
	y Ltd	'	=9.40%	2946 =10.57	57 =20%	657/=10.2%	7/2 =0.5%
	<i>y</i>	20	13212000711x1	2123034107	13975697654x1	644526291808x	13153597792x10
		18	00%/629142891	2100x/68484	00%/82209986	100%/82209986	0%/822099862/2
			=21%	9712 = 31	2 =17%	2 = 28%	=3.2%
		20	24963627654.4	1073909920	7489329733.71	2203592415x10	575469902.7x10
		19	x100%/7801136	0/671193700	x100%/822099	0/146906161	0%/822099861/2
			42 = 3.2%	=16	861 =9.11%	=15%	=1.4%
		20	768675552x100	1170170463	19016888800x1	1792673379x10	618048886x100
		20	%/960844440/1	0/780113642	00%/95084444	0%/170730798	%/950844440/2
			00% =0.8%	=15	0 = 20%	=10.5%	=1.3%
4	Ardhi	20	3699410.5213x	196030102.2	549622.9088x1	3702545x100%/	1282780610.36x
	SAC	16	100%/34285547	9x16200834	00%/19629389	10325000=	100%/19629389
	CO		= 10.79%	9= 1.21	6= 0.28%	35.86%	6/2 = 13.07%

	Societ	20	4626386.6264x	242307424.7	559292.0534x1	4627945.6905x	1741100479.28
	y Ltd	17	100%/42916388	x200254070	00%/24317045	100%/12080255	x100%/2431704
	y Lta	1	=10.78%	= 1.21	8= 0.23%	= 38.31%	58/2 = 14.32%
		20	6664632.2546x	275931117.3	72209.49268x1	5552859.6x100	1899665115.12
		18	100%/51555771	4x22617304	00%/27772881	%/13278000=	x100%/2777288
			= 10.77%	7= 1.22	8= 0.26%	41.82%	18/2 = 13.68%
		20	6664632.546x1	342571062.6	999257.7821x1	6664878.6x100	2236270002.01x
		19	00%/63776388=	6x28079595	00%/34457164	%/17151000=	100%/34457164
			10.45%	3= 1.22	9= 0.29%	38.86%	9/2= 12.98%
		20	7545516.9158x	427111318.8	1583831.3018x	7526848.8x100	2395009765.83x
		20	100%/72136873	x355926099	100%/4280625	%/17327000=	100%/42806251
			= 10.46%	= 1.2	14=0.37%	43.44%	4/2 = 11.19%
5	Banda	20	5263401.185x1	624508666.4	11713493.4678	2693449.1259x	12645593.8369x
	ri	16	00%/39574445=	1x29319655	x100%/342499	100%/11705559	100%/72136873/
	SAC		13.3%	7=2.13	809=3.42%	=23.01%	2= 33.21%
	CO	20	5263401.185x1	75180873.88	7791312.6291x	1642971.885x1	11180000.8164
	Societ	17	00%/32206653=	x242518948	100%/2853960	00%/8014997=2	x100%63776388
	y Ltd		11.08%	=3.1	67=2.73%	0.5%	/2= 35.06%
		20	2657148.1425x	350336460.6	1744107.2x100	1912719.06x10	9501728.5953
		18	100%/26439285	x194631367	%/231215359=	0%/9108186=21	x100%/5155577
			=10.05%	=1.8	1.51%	%	1/2= 36.86%
		20	1842419.8374x	22258730/17	21663504x100	1322324.4896x	8707735.1252x1
		19	100%/19558597	1221000=0.	%/200588000=	100%/7723858=	00%/42916388/=
			=9.42%	13	1.08%	17.12%	40.58%
		20	1045122.507x1	14736000/14	1784107.2x100	860161.3608x1	6416540.12105x
		20	00%/11651310=	7360000=0.	%/168312000=	00%/5362602=1	100%/34285547/
			8.97%	1	1.06%	6.04%	2= 37.43%
6	Barat	20	78730209.8x10	78730209.8/	173764.811x10	468876.1284x1	6391137.7314x1
	on	16	0%/68461052 =	68461052 =	0%/78984005=	00%/2707137=1	00%/165788268/
	Unive		=1.15%	=1.15	0.22%	7.32%	2=7.71%
	rsity	20	102153668.1x1	120052846.2	1464859.1419x	377469.2966x1	5005944.25765x
	SAC	17	00%/92866971=	8/103493833	100%/1210627	00%/3237301=1	100%/12106273
	CO		1.16%	=1.16	39=1.21%	1.66%	9/2=8.27%
	Societ	20	145691452.48x	120052846.2	3017656.4535x	377469.2966x1	5005944.25765x
	y Ltd	18	100%/12242979	8/103493833	100%/1457805	00%/3237301=1	100%/12106273
		20	2=1.19%	=1.16	05=2.07%	1.66%	9/2=8.27%
		20	145691452.48x	145691452.4	3017656.4535x	47753418.4x10	4512718.89845x
		19	100%/12242979	8/122429792	100%/1457805	0%/4116674	100%/10834859
		20	2=1.19%	=1.19	05=2.07%	=11.6%	3/2=8.33%
		20	164541708.68x	164541708.6	2586296.9808x	485290.525x10	3601670.628x10
		20	100%/13944212	8/139442126	100%/1657882	0%/4485125=10	0%/78984005/2=
7	Dioala	20	6=1.18%	=1.18	68=1.56%	.82% 5071189.9745x	9.12%
7	Biash	20	1269975x100%/	1492096894.	34544644.8798		318852.8952x10
	ara SAC	16	10325000= 12.3%	29/16200834 9= 9.21	x100%/428062 514=8.07%	100%/72136415 = 7.03%	0%/3199728/2=1 9.93%
	CO	20	1714188.1845x	1443831844.	14472009.258x	= 7.03% 2927304.4464x	311493.5208x10
	Societ	17	100%/12080255	7/200254070	144/2009.258x 100%/3445716	100%/63775696	0%/3199728/2=1
	y Ltd	1 /	= 14.19%	= 7.21	49= 4.2%	= 4.59%	9.47%
	y Liu	20	1742073.6	1176099844.	6276671.2868x	1237338.504x1	250451.46225x1
		18	x100%/1327800	4/226173047	100%/2777288	00%/51555771=	00%/2714921/2=
		10	0= 13.12%	=5.2	18= 2.26%	2.4%	18.45%
		20	1766553	1156879326.	299099663.34x	437747.1576x1	225881.4272x10
		19	x100%/1715100	36/28079595	100%/2431704	00%/42916388=	0%/2714921/2=1
		1)	0 = 10.3%	3 = 4.12	58= 1.23%	1.02%	6.64%
		20	1431210.2x100	783037417.8	2355526.752x1	222856.0555x1	180172.03x100
		20	%/17327000=	/355926099	00%/19629389	00%/34285547=	%/1974488/2=18
		20	8.26%	= 2.2	6= 1.2%	0.65%	.25%
8	Brea	20	4434259.6068x	7435488.46/	19165123.7808	2809090.7739x	10784526.8334x
	meg	16	%/139442126=3	1481173=5.	x100%/165788	100%/23350713	100%/16578826
	SAC		.18%	02	268=11.56%	=12.03%	8/2=13.01%
		•			•	•	

	CO	20	292828464.6/13	4058105.72/	13222291.8035	409903.7088x1	8411535.1385x1
	Societ	17	9442126=2.1	897811=4.5	x100%/145780	00%/1974488=2	00%/145780505/
	y Ltd			2	505=9.07%	0.76%	2=11.54%
		20	39356.6544x10	8662838.4x/	8728623.4819x	315325.7336x1	526622914.65x1
		18	0%/3199728=1.	2707137=3.	100%/1210627	00%/1974488=1	00%/121062739/
			23%	2	39=7.21%	5.97%	2=8.7%
		20	37116.8448x10	6589842.98x	5937502.8964x	494115.622x10	3954723.6445x1
		19	0%/3199728	/3036794=2.	100%/1083485	0%/2714921=18	00%/108348593/
		20	240,0024,02,10	17	93=5.48%	.2%	2=7.3%
		20	2486824.02x10	5373919.66/	2543284.961x1	248958.2557x1	2416910.553x10
		20	0%/165788268= 1.5%	3237301=1. 66	00%/78984005	00%/2714921=9	0%/78984005/2=
9	Capit	20	1.5% 1045614250x10	68103409.14	=3.22% 277404.6204x1	.17% 112866.249xx1	6.12% 2441023.5438x1
9	al	16	0%/707500014	/58208042=	00%/68664516	00%/1546113=	00%/68664516/2
	SAC	10	=7.79%	1.17	=4.04%	=0.073%	= 7.11%
	CO	20	10449775x100	66911698.22	2807070.849x1	1044976.9906x	1155062.646x10
	Societ	17	%/7075000=147	/56704829=	00%/67154805	100%/736366=1	0%/67154805/2=
	y Ltd	1	.7%	1.18	= 4.18%	41.91%	3.44%
		20	11888122.5x10	91960742.52	3609672.963x1	1188807.4449x	1809464.26735x
		18	0%/7075000=16	/80667318=	00%/92555717	100%/1112803=	100%/92555717/
			8.03%	1.14	=3.9%	106.83%	2= 3.91%
		20	12223477.5x10	123063446.7	3951253.0716x	1222378.5378x	12986.205578x1
		19	0%/7075000=17	/11086797=	100%/1230919	100%/870702=1	00%/123091996/
			2.77%	11.1	96=3.21%	40.39%	2=2.11%%
		20	11053343.232x	124681576.0	2696966.794x1	1105030.0966x	1636996.1238x1
		20	100%/7214976=	3/114386767	00%/12544031	100%/-	00%/125440316/
			153.2%	=1.09	6=2.15%	1153477=(9.58	2= (2.61%)
1	Chun	20	3671.237x100%	844272.717/	6111.7275x100	%) 3640.5897x100	1221852.5x100
1 0	a	20 16	/8401=43.7%	201161=4.1	%/8401=72.75	%21813=16.69	%/7075000/2=34
	SAC	10	70401-45.770	97	%	% %	.54%
	CO	20	3899.955x100%	643111.717/	5083.3607x100	2795.008x100%	578381.25x100
	Societ	17	/8387=46.5%	201161==3,	%/8387=60.61	/26368=10.6%	%/7075000/2=16
	y Ltd			197	%		.35%
		20	2519.4015x100	224983.2/18	3404.4318x100	3197.9995x100	90275.25x100%/
		18	%/7623=33.05	7486=1.2	%/7623=44.66	%/32467=9.85	7075000/2=25.6
			%		%	%	1%
		20	253051.95x100	28122.9/187	3362.6627x100	1316.26x100%/	651253.75x100
		19	%/8741=28.95	486=0.15	%/8741=38.47	29915=4.4%	%/7075000/2=18
		20	%	0.4050.4/454	%	014.5512.4000/	.41%
		20	1535.4846x100	34873.4/174	5003.6454x100	814.7712x100%	818899.776x100
		20	%/8073=19.02 %	367=0.2	%/8073=61.98 %	/26368=3.09%	%/7214976/2= 22.7%
1	Daim	20	44363107.1956	329303801.8	35882703.2515	44364523.9446	15113728.4663x
1	a	16	x100%/3590410	/286351132	x100%/330716	x100%/1098104	100%/33071615
	SAC		1=123.56%	= 1.15	159=10.85%	6=404.01%	9/2=9.14%
	CO	20	53336366.5952	364286082.1	50330962.045	53330650.8231	8596675.269x10
	Societ	17	x100%/5035533	6/314039726	x100%/367379	x100%/1220353	0%/367379285/2
	y Ltd		1=105.92%	= 1.16	285=13.7%	1=437.01%	=4.68%
		20	63353053.5066	389720968.2	60347483.7976	63354912.0542	17744661.6866x
		18	x100%/6037073	8/327496612	x100%/390851	x100%/1242667	100%/39085157
			9=104.94%	= 1.19	579=15.44%	4=09.83%	9/2=9.08%
		20	75628851.1104	489351625.0	72570071.952x	75633160.1118	22359427.5744x
		19	x100%/7260834	6/414704767	100%/4903383	x100%/1587897	100%/49033832
		20	4=104.16%	= 1.18	24=14.8%	8=0.06.31% 81252979.7122	4/2=9.12%
		20 20	81248010.0084 x100%/7822839	557903439.9 9/476840547	78188990.9754 x100%/558094	x100%/1649940	23439954.468x1 00%/558094154/
		20	4= 13.86%	= 1.17	154=14.01%	7=2.46%	2=8.4%
1	Elgon	20	13059387.7916	374191589.2	15064307.3019	8365676.7048x	117075.7431x10
2	Teach	16	x100%/3836482	/170087086	X	100%/27240888	0%/3025213/2=7
	er		9=40.23%	=2.2		=30.71%	.74%
			•			•	

	SAC				100%/3689519		
	CO				3= 40.83%		
	Societ	20	13059387.7916	360259480/1	12275030.7111	8722532.3376x	111781.62035x1
	y Ltd	17	x100%/3836482	44103792=2	x100%/368951	100%/27240888	00%/3025213/2=
		20	9= 34.04%	.5	93= 33.27%	= 22.02%	7.39%
		20	38188390.828x	310980612.6	6929391.5367x	3210816.403x1	8863157.16x100
		18	100%/20845191	/148086006	100%/3242579	00%/14321215=	%/2984228/2=5.
		20	5= 18.32%	=2.1	1=21.37%	22.42%	94%
		20	5842963.4567x	34791380.1/	3926763.2901x	5913996.7848x	8594576.64x100
		19	100%/38364829	115971267	100%/3242579	%/27240888=21	%/2984228/25.7
		•	= 15.23%	= 0.3	1= 12.11%	.71%	6%
		20	637745.42x100	15701026.56	2238346.2828x	1997718.9264x	75554.5857x100
		20	%/4905734=13	/130841888	100%/1805117	100%/2979891=	%/2968746/2=5.
			%	=0.12	97=1.24%	7.04%	09%
1	Elgon	20	13059387.7916	374191589.2	15064307.3019	8365676.7048x	117075.7431x10
2	Teach	16	x100%/3836482	/170087086	X	100%/27240888	0%/3025213/2=7
	er		9=40.23%	=2.2	100%/3689519	=30.71%	.74%
	SAC				3= 40.83%		
	CO	20	13059387.7916	360259480/1	12275030.7111	8722532.3376x	111781.62035x1
	Societ	17	x100%/3836482	44103792=2	x100%/368951	100%/27240888	00%/3025213/2=
	y Ltd		9= 34.04%	.5	93= 33.27%	= 32.02%	7.39%
		20	38188390.828x	310980612.6	6929391.5367x	3210816.403x1	8863157.16x100
		18	100%/20845191	/148086006	100%/3242579	00%/14321215=	%/2984228/2=5.
			5= 18.32%	=2.1	1=21.37%	22.42%	94%
		20	5842963.4567x	34791380.1/	3926763.2901x	5913996.7848x	8594576.64x100
		19	100%/38364829	115971267	100%/3242579	100%/27240888	%/2984228/25.7
			= 15.23%	= 0.3	1= 12.11%	=21.71%	6%
		20	637745.42x100	15701026.56	2238346.2828x	1997718.9264x	75554.5857x100
		20	%/4905734=13	/130841888	100%/1805117	100%/2979891=	%/2968746/2=5.
			%	=0.12	97=1.24%	7.04%	09%
1	Elimu	20	29222.9267x10	167020.872/	1250.405x100%	207.4833x100%	1202608.8x100
1 3	Elimu SAC	20 16	29222.9267x10 0%/19237=5.91	167020.872/ 137,806.00=	1250.405x100% /19237=6.5%%	207.4833x100% /29223=0.71%	1202608.8x100 %/167,029/2 =
			0%/19237=5.91 %				
	SAC CO Societ		0%/19237=5.91 % 1459.2897x100	137,806.00=	/19237=6.5%% 1228.0719x100		%/167,029/2 =
	SAC CO	16	0%/19237=5.91 %	137,806.00= 0.012	/19237=6.5%%	/29223=0.71%	%/167,029/2 = 14.40%
	SAC CO Societ	16 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69%	137,806.00= 0.012 184734.41/1	/19237=6.5%% 1228.0719x100	/29223=0.71% 1458.5898x100 %/29586=4.93 %	%/167,029/2 = 14.40% 1301175.04x100
	SAC CO Societ	16 20 17 20	0%/19237=5.91 % 1459.2897x100	137,806.00= 0.012 184734.41/1	/19237=6.5%% 1228.0719x100 %/21813=5.63	/29223=0.71% 1458.5898x100 %/29586=4.93	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 =
	SAC CO Societ	16 20 17	0%/19237=5.91 % 1459.2897x100 %21813=6.69%	137,806.00= 0.012 184734.41/1 55239=1.19	/19237=6.5%% 1228.0719x100 %/21813=5.63 %	/29223=0.71% 1458.5898x100 %/29586=4.93 %	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08%
	SAC CO Societ	16 20 17 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10
	SAC CO Societ	16 20 17 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100
	SAC CO Societ	20 17 20 18	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 =
	SAC CO Societ	20 17 20 18 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88%
	SAC CO Societ	20 17 20 18 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849
	SAC CO Societ	20 17 20 18 20 19	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/
	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 %	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 %	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02%
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 %	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10 0%/150171015/2
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72%
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10 0%/150171015/2
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72%
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3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16 20 17	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888 = 6.02%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04 /115971267 = 0.12	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91% 346573.403x10 0%/14321215= 2.42%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89% 209784.3264x 100%/2979891= 7.04%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/ 2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72% 455414652.9x10 0%/143212155/2 =6.36%
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888 = 6.02% 165695.7869x1	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04 /115971267 = 0.12 179184067.2	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91% 346573.403x10 0%/14321215= 2.42% 433228.3128x1	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89% 209784.3264x 100%/2979891= 7.04% 438884.5536x	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72% 455414652.9x10 0%/143212155/2 = 6.36% 7220471.88x100
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3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888 = 6.02% 165695.7869x1 00%/3242579= 5.11% 1782037.8219x 100%/36895193	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04 /115971267 = 0.12 179184067.2 6/148086006 =1.21 180129740/1 44103792=	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100% /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91% 346573.403x10 0%/14321215= 2.42% 433228.3128x1 00%/18051179 7=0.24% 15964110.477x 100%/1809989	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89% 209784.3264x 100%/2979891= 7.04% 438884.5536x 100%/5127156= 8.56% 406027.5954x 100%/5686661=	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72% 455414652.9x10 0%/143212155/2 = 6.36% 7220471.88x100 %/180511797/2= 8% 7692456.8625x1 00%/180998985/
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888 = 6.02% 165695.7869x1 00%/3242579= 5.11% 1782037.8219x 100%/36895193 = 4.83%	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04 /115971267 = 0.12 179184067.2 6/148086006 =1.21 180129740/1 44103792= 1.25	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91% 346573.403x10 0%/14321215= 2.42% 433228.3128x1 00%/18051179 7=0.24% 15964110.477x 100%/1809989 85= 8.82%	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89% 209784.3264x 100%/2979891= 7.04% 438884.5536x 100%/5127156= 8.56% 406027.5954x 100%/5686661= 7.14%	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72% 455414652.9x10 0%/143212155/2 = 6.36% 7220471.88x100 %/180511797/2= 8% 7692456.8625x1 00%/180998985/2 = 8.5%
3	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%/19237=5.91 % 1459.2897x100 %21813=6.69% 972.9792x100% /26368=3.69% 430.776x100%/ 29915=1.44% 925.3095x100% /32467=2.85 % 13586443.3683 x100%1932912 7= 7.29% 1639901.4576x 100%/27240888 = 6.02% 165695.7869x1 00%/3242579= 5.11% 1782037.8219x 100%/36895193 = 4.83% 1549939.0916x	137,806.00= 0.012 184734.41/1 55239=1.19 206624.895/ 174367=1.1 85 225733.144/ 187486=1.2 04 240789.717/ 201161=1,1 7 149159752.3 2/130841888 =1.14 13916552.04 /115971267 = 0.12 179184067.2 6/148086006 =1.21 180129740/1 44103792= 1.25 207506244.9	/19237=6.5%% 1228.0719x100 %/21813=5.63 % 711.936x100%/ 26368=2.7% 8352.268x100%/ /29915=27.92% 3970.7141x100 %/32467=12.23 % 4369976.5365x 100%/1501710 15=2.91% 346573.403x10 0%/14321215= 2.42% 433228.3128x1 00%/18051179 7=0.24% 15964110.477x 100%/1809989 85= 8.82% 667046.128x10	/29223=0.71% 1458.5898x100 %/29586=4.93 % 971.16x100%/3 2372=3% 429.576x100%/ 38355=1.12% 925.3828x100% /39716=2.33% 145721.0573x1 00%/1639157=8 .89% 209784.3264x 100%/2979891= 7.04% 438884.5536x 100%/5127156= 8.56% 406027.5954x 100%/5686661= 7.14% 215852.296x10	%/167,029/2 = 14.40% 1301175.04x100 %/184,826/2 = 14.08% 1113289.515x10 0%/206,739/2 = 10.77% 1228575.04x100 %/225,841/2 = 10.88% 261670393.8849 x100%/240,877/2 = 9.02% 2793180.879x10 0%/150171015/2 = 3.72% 455414652.9x10 0%/143212155/2 = 6.36% 7220471.88x100 %/180511797/2= 8% 7692456.8625x1 00%/180998985/2 = 8.5% 7358352.5995x1

1	Fortit	20	463095.096x10	68418419.01	1224920407.6x	17774100.327x	2186124.2637x1
5	ude	16	0%/27240888=1	/32425791=	100%/3689519	100%/18099898	00%/19329127/2
	SAC		.7%	2.11	3= 33.2	5= 9.82%	=22.62%
	CO	20	5181216.8976x	43450559.94	9530028.3519x	215098975.19x	6793221.68415x
	Societ	17	100%/27240888	/32425791=	100%/3689519	100%/36895193	19329127/2=
	y Ltd		= 19.02%	1.34	3= 25.83%	= 5.83	70.29%
		20	2208331.353x1	1777032072/	34064008.977x	120647281.11x	15700379.61825
		18	00%/14321215=	148086006=	100%/1809989	100%/36895193	x100%/1501710
			15.42%	1.2	85= 18.82%	= 3.27	15/2=20.91%
		20	1934103.048x%	29617201.2/	5264944.0411x	1484269.0576x	1799541.7237x1
		19	27240888/=7.1	148086006=	100%/3689519	100%/14410379	00%/19329127/2
		20	% 10065260.7	0.2	3= 14.27%	2= 1.03%	= 18.62%
		20 20	19965269.7x 100%/2979891=	177703207.2 /148086006	406027.5954x	3458491.008x% /144103792=2.4	105643.66865x1
		20	6.7.%	=1.2	100%/5686661 = 7.14%	%	00%/1639157/2= 12.89%
1	Good	20	1324881505.83	107487731.7	2187630.7992x	13248525.646x	4305214.3068x1
6	Faith	16	x100%7796631	2/116834491	100%/1077650	100%/2996726=	00%/107765064/
	SAC	10	= 1.6993%	= 0.92	64= 2.03%	44.21%	2= 7.99%
	CO	20	1862635982.88	134359664.6	3847104.1008x	18626864.4642	6021263.27495x
	Societ	17	x100%1101239	5/116834491	100%/1354614	x100%/4067978	100%/13546149
	y Ltd		2= 1.6914%	= 1.15	12= 2.84%	= 4.5789%	1/2= 8.89%
	_	20	23744169.2849	165620214.5	3846620.1081x	23743961.6322	7226983.2334x1
		18	x100%1547758	2/142776047	100%/1665203	x100%/5230754	00%/166520351/
			9= 1.5341%	= 1.16	51= 2.31%	= 4.5393%	2= 8.68%
		20	32263464.372x	209752749.1	7276955.7728x	32263475.517x	8514461.333x10
		19	100%19986040	8/179275854	100%/2115394	100%/5708430=	0%/211539412/2
			= 1.6143%	= 1.17	12= 3.44%	5.6519%	= 8.05%
		20	38305120.02x1	270631722.4	7279110.3996x	38305274.024x	10918665.5994x
		20	00%25293925=	4/233303209	100%/2716085	100%/6599806=	100%/27160859
			1.5144%	=1.16	97= 2.68%	5.804%	7/2= 8.04%
1	TT	20	F 40 F 7 7 C 1 2 2 1	1077605607	016107404 10	£40722 2002 1	2474650 0040 1
1	Hara	20	549577.6132x1	107760568.7	21612.7424x10	549732.2092x1	2474659.0048x1
1 7	mbee	20 16	00%/6653482=8	2/92897042	0%/108063712	00%/3472724=1	00%/108063712/
	mbee SAC	16	00%/6653482=8 .26%	2/92897042 =1.16	0%/108063712 =0.02%	00%/3472724=1 5.83%	00%/108063712/ 2=4.58%
	mbee SAC CO	16 20	00%/6653482=8 .26% 1577540.5822x	2/92897042 =1.16 18796347.45	0%/108063712 =0.02% 188142.5936x1	00%/3472724=1 5.83% 1577790.71410	00%/108063712/ 2=4.58% 2865556.4256x1
	mbee SAC CO Societ	16	00%/6653482=8 .26% 1577540.5822x 100%/6653482=	2/92897042 =1.16	0%/108063712 =0.02% 188142.5936x1 00%/14472507	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/
	mbee SAC CO	16 20 17	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71%	2/92897042 =1.16 18796347.45 /125308983 =0.15	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3%	00%/108063712/ 2=4.58% 2865556.4256x1
	mbee SAC CO Societ	16 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482=	2/92897042 =1.16 18796347.45 /125308983	0%/108063712 =0.02% 188142.5936x1 00%/14472507	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96%
	mbee SAC CO Societ	16 20 17 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x
	mbee SAC CO Societ	16 20 17 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1
	mbee SAC CO Societ	20 17 20 18	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872=	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013=	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/
	mbee SAC CO Societ	20 17 20 18 20 19	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66%
	mbee SAC CO Societ	20 17 20 18 20 19 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10
	mbee SAC CO Societ	20 17 20 18 20 19	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411=	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3%
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310=	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310=	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2=
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95%
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 20	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2=
7	mbee SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16.	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 20 16 20 17	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872= 9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872= 12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948 =7.2%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 %	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16%
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872= 9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872= 12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948 =7.2% 591679355.68x	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 %	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872=9.97% 272947.6288x1 00%/17723872=1.54% 2272200.3904x 100%/17723872=12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948=7.2% 591679355.68x 100%/19463136	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998 /2259914=1	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 % 4887991.566x1 00%/42877119	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10 0%/26439285=9	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1 00%/17723872/2
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872= 12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948=7.2% 591679355.68x 100%/19463136 7=3.04%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998 /2259914=1 4.07 145727.7934 /1764259=8.	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 % 4887991.566x1 00%/42877119 =11.4% 5304678.84x10 0%/36583992=	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10 0%/26439285=9 .2% 1900192.527x1 00%/32206653=	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1 00%/17723872/2 =40.94% 4114596.884810 0%/17723872/2=
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948 =7.2% 591679355.68x 100%/19463136 7=3.04% 464100x100%/2 21000=2.1%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998 /2259914=1 4.07 145727.7934 /1764259=8. 26	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 % 4887991.566x1 00%/42877119 =11.4% 5304678.84x10 0%/36583992= 14.5%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10 0%/26439285=9 .2% 1900192.527x1 00%/32206653= 5.9%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1 00%/17723872/2 =40.94% 4114596.884810 0%/17723872/2= 46.43%
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872= 9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872= 12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948 =7.2% 591679355.68x 100%/19463136 7=3.04% 464100x100%/2 21000=2.1%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998 /2259914=1 4.07 145727.7934 /1764259=8. 26 18161599.64	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 % 4887991.566x1 00%/42877119 =11.4% 5304678.84x10 0%/36583992= 14.5% 4885952.2732x	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10 0%/26439285=9 .2% 1900192.527x1 00%/32206653= 5.9% 1741275.58x10	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/176464451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1 00%/17723872/2 =40.94% 4114596.884810 0%/17723872/2= 46.43% 5083206.4896x1
7	mbee SAC CO Societ y Ltd Imari ka SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%/6653482=8 .26% 1577540.5822x 100%/6653482= 23.71% 1767070.0384x 100%/17723872 =9.97% 272947.6288x1 00%/17723872= 1.54% 2272200.3904x 100%/17723872 =12.82% 2404211767.4x %/293196557=8 .2% 1746136425.6x 100/242518948 =7.2% 591679355.68x 100%/19463136 7=3.04% 464100x100%/2 21000=2.1%	2/92897042 =1.16 18796347.45 /125308983 =0.15 141027106.8 /117522589 = 1.2 175062804.6 2/148358309 = 1.18 18960269.16 /158002243 = 0.12 129096514.8 /11651310= 11.08 162793.488/ 999960=16. 28 317969.8998 /2259914=1 4.07 145727.7934 /1764259=8. 26	0%/108063712 =0.02% 188142.5936x1 00%/14472507 2=0.13% 508321.962x10 0%/141200545 =0.36% 970554.4805x1 00%/17646445 1=0.55% 747721.8138x1 00%/19172354 2=0.39% 3058992x100% /=14.6% 3876444x100% /29367000=13.2 % 4887991.566x1 00%/42877119 =11.4% 5304678.84x10 0%/36583992= 14.5%	00%/3472724=1 5.83% 1577790.71410 0%/4119558=38 .3% 168751.8668x1 00%/4974956=3 5.53% 2046469.2397x 100%/5734013= 35.69% 2272637.1391x 100%/7144411= 31.81% 1407478.248x1 00%/11651310= 12.08% 1957815.5597x 100%/19558597 =10.01% 2432414.22x10 0%/26439285=9 .2% 1900192.527x1 00%/32206653= 5.9%	00%/108063712/ 2=4.58% 2865556.4256x1 00%/144725072/ 2=3.96% 3537073.65225x 100%/14120054 5/2=5.01% 4111621.7083x1 00%/1764644451/ 2=4.66% 5080673.863x10 0%/191723542/2 =5.3% 2426857.5595x1 00%/6653482/2= 72.95% 2866320.0456x1 00%/6653482/2= 86.16% 3628076.5984x1 00%/17723872/2 =40.94% 4114596.884810 0%/17723872/2= 46.43%

1	Imaris	20	847238.5744x1	31769655.84	713908.5184x1	847480.4082x1	975250.0296x10
9	ha	16	00%4717364=	/27153552=	00%/31870916	00%/622278=1.	0%/31870916/2=
	SAC	10	17.96%	1.17	=2.24%	3619%	6.12%
	CO	20	1702482.6616x	40834039.62	180208.9388x1	1702829.5272x	9071881.8055x1
	Societ	17	100%5137244=	/35819333=	00%/40956577	100%/743334=2	00%/40956577/2
	y Ltd		33.14%	1.14	=0.44%	2.908%	=4.43%
		20	3803405.9937x	47344051.8/	319662.4521x1	3803838.1512x	1478548.5624x1
		18	100%5859507=	41529870=	00%/47389377	100%/995196=3	00%/47389377/2
		20	64.91%	1.14	=0.73%	8.222%	= 6.24%
		20 19	6783195.7644x 100%/6558882=	60931128.16 /54402793=	146308.032x10 0%/60961680=	6783559.4136x 100%/975336=6	1399070.556x10 0%/60961680/2=
		19	1.0342%	1.12	0.24%	.9551%	4.59%
		20	725313927.48x	71413047.81	1067725.5666x	725339274.62x	175292.6613x10
		20	100%/10622641	/61036793=	100%/7165943	100%/1196969	0%/71659434/2=
			68.28%	1.17	4=1.49%	= 60.598%	4.89%
2	Jamii	20	2330020.9979x	617751096.6	6629310.2x100	15838313.018x	487781.3178x10
0	SAC	16	100%/72136873	/280795953	%/17327000=	100%/42806251	0%/5137244/2=1
	CO		= 3.23%	= 2.2	38.26%	4=3.7%	8.99%
	Societ	20	3318296.158x1	898547049.6	5794148.8x100	9992577.821x1	453618.6452x10
	y Ltd	17	00%/72136873=	/280795953	%/17327000=	00%/344571649	0%/5137244/2=1
		20	4.6% 15838313.018x	= 3.2 49758070.34	33.44%	= 2.9% 7220949.268x1	7.66% 740055.7341x10
		20 18	100%/42806251	/226173047	5196753 x100%/171510	00%/277728818	0%/5859507/2=2
		10	4=3.7%	= 0.22	00 = 30.3%	= 2.6%	5.26%
		20	2380501.695x1	102129575.7	3097470.6x100	5592920.534x1	700154035x100
		19	00%/72136415=	/200254070	%/17151000=	00%/243170458	%/6558882/2=21
			3.3%	= 0.51	18.06%	= 2.3%	.35%
		20	353470x100%/1	34021753.29	1330455.6x100	4514759.608x1	876367.8825x10
		20	7327000=	/162008349	%/13278000=	00%/196293896	0%/10622641/2=
		•	2.04%	= 0.21	10.02%	= 2.3%	16.5%
2	Kathe	20	46911449.12x1	105023946.8	4190626.6725x	4190670.9x100	41275228.3375x
1	ra Rural	16	00%/293196557 =16%	/2901214=3 6.2	100%/2643928 5=15.85%	%/29367000=14 .27%	100%5413147/2 =15.25%
	SAC	20	41047517.98x1	244457408.5	2887169.922x1	24231030.4x10	5777658.48x100
	CO	17	00%293196557	/8014997=3	00%/26439285	0%/200588000=	%/10589550/2=1
	Societ	1,	=14%	0.5	=10.92%	12.08%	0.912%
	y Ltd	20	4887443.9575x	488799156.6	13433612.3579	2094725.7387x	6677227.8801x1
		18	100%/39574445	/42877119=	x100%2312153	100%/19558597	00%11610551/2
			100/0/3/3/11113	/ 120//11/		100/0/1/0000/	00/011010331/2
			=12.35%	11.4	59=5.81%	=10.71%	=11.502%
		20	=12.35% 3909955.166x1	11.4 4880272745.	59=5.81% 1262147.724x1	=10.71% 473318.0474x1	=11.502% 7172948.61855x
		20 19	=12.35% 3909955.166x1 00%/39574445=	11.4 4880272745. 7/285396067	59=5.81% 1262147.724x1 00%/36583992	=10.71% 473318.0474x1 00%19558597=	=11.502% 7172948.61855x 100%14068743/
		19	=12.35% 3909955.166x1 00%/39574445= 9.88%	11.4 4880272745. 7/285396067 =17.1	59=5.81% 1262147.724x1 00%/36583992 =3.45%	=10.71% 473318.0474x1 00%19558597= 2.42%	=11.502% 7172948.61855x 100%14068743/ 2=10.197%
		19 20	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x	11.4 4880272745. 7/285396067 =17.1 241549897.5	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1
		19	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653=	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2.	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1.	=11.502% 7172948.61855x 100%14068743/ 2=10.197% 457963161.04x1 00%/10620667/2
2	Kento	19 20 20	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42%	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17%	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1
2 2	Kento urs	19 20	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653=	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3%	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1.	=11.502% 7172948.61855x 100%14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24%
		19 20 20 20	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1
	urs SAC CO	20 20 20 16	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x
	urs SAC CO Societ	20 20 20 16	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550=	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756
	urs SAC CO	20 20 20 16 20 17	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508%	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93%	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727%	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83%
	urs SAC CO Societ	20 20 16 20 17 20	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681	=11.502% 7172948.61855x 100%14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00%164046624/ 2=10.06% 11555115.5174x 100%195352756 /2=11.83% 13344685.949x1
	urs SAC CO Societ	20 20 20 16 20 17	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921	=11.502% 7172948.61855x 100%14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00%164046624/ 2=10.06% 11555115.5174x 100%195352756 /2=11.83% 13344685.949x1 00%220391180/
	urs SAC CO Societ	20 20 16 20 17 20 17	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055 1=15.605%	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779 =1.19	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118 0=0.82%	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921 =19.561%	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83% 13344685.949x1 00% 220391180/ 2=12.11%
	urs SAC CO Societ	20 20 16 20 17 20 17 20 18	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055 1=15.605% 2080767.0897x	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779 =1.19 2229329589/	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118 0=0.82% 1824465.7568x	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921 =19.561% 2081391739.2x	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83% 13344685.949x1 00% 220391180/ 2=12.11% 14339855.8568x
	urs SAC CO Societ	20 20 16 20 17 20 17	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055 1=15.605%	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779 =1.19	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118 0=0.82%	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921 =19.561%	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83% 13344685.949x1 00% 220391180/ 2=12.11%
	urs SAC CO Societ	20 20 16 20 17 20 17 20 18	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055 1=15.605% 2080767.0897x 100%/14068743	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779 =1.19 2229329589/ 181837650=	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118 0=0.82% 1824465.7568x 100%/2224958	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921 =19.561% 2081391739.2x 100%/10436180	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83% 13344685.949x1 00% 220391180/ 2=12.11% 14339855.8568x 100% 222495824
	urs SAC CO Societ	20 20 16 20 17 20 18 20 19	=12.35% 3909955.166x1 00%/39574445= 9.88% 4870583.0878x 100%34249980 9=1.42% 10240050.1799 x100%/5413147 =18.917% 14304364.14x1 00%/10589550= 13.508% 1811827123355 x100%/1161055 1=15.605% 2080767.0897x 100%/14068743 =14.79%	11.4 4880272745. 7/285396067 =17.1 241549897.5 /32206653= 7.5 163421471.5 2/143352168 =1.14 194227931.5 6/164599942 =1.18 219179887.0 1/184184779 =1.19 2229329589/ 181837650= 12.26	59=5.81% 1262147.724x1 00%/36583992 =3.45% 208488.278x10 0%9108186=2. 3% 1706084.8896x 100%16404662 4=1.04% 1816780.6308x 100%19535275 6=0.93% 1807207.676x1 00%/22039118 0=0.82% 1824465.7568x 100%/2224958 24=0.82%	=10.71% 473318.0474x1 00%19558597= 2.42% 2003285.7x100 %171221000=1. 17% 10239535.0803 x100%/5836821 =17.543% 14304861.1491 x100%/8069533 =17.727% 18119199.7681 x100%/9262921 =19.561% 2081391739.2x 100%/10436180 =19.944%	=11.502% 7172948.61855x 100% 14068743/ 2=10.197% 457963161.04x1 00%/10620667/2 86.24% 8251545.1872x1 00% 164046624/ 2=10.06% 11555115.5174x 100% 195352756 /2=11.83% 13344685.949x1 00% 220391180/ 2=12.11% 14339855.8568x 100% 222495824 /2=12.89%

2	Keny	20	2330020.9979x	949926797.4	15838313.018x	2328748.8x100	3583545149.6x1
3	a	16	100%/72136873	/226173047	100%/4280625	%/17327000=	00%/344571649/
	Achie		= 3.23%	= 4.2	14=3.7%	13.44%	2= 20.8%
	vas	32	2232173.58x10	662840971.7	9992577.821x1	901026x100%/1	1762985820.5
	Keny	01	0%/63776388=	/200254070	00%/34457164	7151000=	x100%/2431704
	a	7	3.5%	= 3.31	9= 2.9%	12.6%	58/2 = 14.50%
	SAC	20	1134226.962x1	196030102.2	7220949.268x1	1088796x100%/	237714798.4x10
	CO	18	00%/51555771=	9/162008349	00%/27772881	13278000=	0%/428062514/2
	SAC		2.2%	= 1.21	8= 2.6%	8.2%	= 11.20%
	CO	20	480663.5456x1	220674181.3	5592920.534x1	762264.0905x1	1971874607.8x1
	Societ	19	00%/42916388=	8/355926099	00%/24317045	00%/12080255=	00%/277728818/
	y Ltd	•	1.12%	= 0.62	8= 2.3%	6.31%	2 = 14.20%
		20	119999.4145x1	140397976.5	3533290.128x1	464625x100%/1	986376827.4x10
		20	00%/34285547=	/280795953	00%/19629389	0325000= 4.6%	0%/196293896/2
2	V	20	0.35% 707193.755x10	= 0.5 223584674.7	6= 1.8%	11948247.044x	= 10.05% 6015.4099xx100
2 4	Keny	20 16	0%/2817505=25	/41251785=	2485236.078x1 00%/10620667	100%/19271366	%/19237/2=
4	a Police	10	.1%	5.42	=23.4%	2=6.2%	62.54%
	SAC	20	661538.3292x1	141897027.2	2221454.5197x	22293295.89x1	6508.9992x100
	CO	17	00%/3909801=1	6/40658174	100%/1406874	00%/181837650	%/21813/2=
	Societ	1 /	6.92%	=3.49	3=15.79%	=12.26%	59.68%
	y Ltd	20	505776.6384x1	182480261.0	1863493.4355x	18602662.679x	5566.2848x100
	J =	18	00%/4092044=1	4/36206401	100%/1161055	100%/18418477	%/26368/2=
			2.36%	=5.04	1=16.05%	9=10.1%	42.22%
		20	398873.6752x1	89183160.6/	537949.14x100	358827873.56x	6146.03675x100
		19	00%/3486658=1	30752814=2	%/10589550 = 5.	100%/16459994	%/29915/2=
			1.44%	.9	08%	2=2.18%	41.09%
		20	22611235.9x10	57944476.8/	171596.7599x1	2006930.352x1	6035.6153x100
		20	0%/2418314	20694456=2	00%/5413147=	00%/143352168	%/32467/2=
			=9.35%	.8	3.17%	=1.4%	37.18%
_	TZ	20	12207.3586x10	107394900.5	8233668.9666x	203324533.62x	8918016.5613x1
2	Kenpi						
5	pe	16	0%61036793=	1/10622641	100%/7165943	100%/1196969	00%/71659434/2
	pe SAC	16	0%61036793= 0.02%	1/10622641 = 10.11	100%/7165943 4=11.49%	100%/1196969 =16.98%	00%/71659434/2 =24.89%
	pe SAC CO	16 20	0%61036793= 0.02% 1637524.0693x	1/10622641 = 10.11 1442940.4/6	100%/7165943 4=11.49% 14630803.2x10	100%/1196969 =16.98% 151274.6136x1	00%/71659434/2 =24.89% 7127747.4x100
	pe SAC CO Societ	16	0%61036793= 0.02% 1637524.0693x 100%54402793	1/10622641 = 10.11	100%/7165943 4=11.49% 14630803.2x10 0%/60961680=	100%/1196969 =16.98% 151274.6136x1 00%/975336=15	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2=
	pe SAC CO	16 20 17	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01%	1/10622641 = 10.11 1442940.4/6 558882= 2.2	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5%
	pe SAC CO Societ	16 20 17 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100%	1/10622641 = 10.11 1442940.4/6 558882= 2.2	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1
	pe SAC CO Societ	16 20 17	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870=	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507=	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2
	pe SAC CO Societ	20 17 20 18	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24%
	pe SAC CO Societ	16 20 17 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x
	pe SAC CO Societ	20 17 20 18 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24%
	pe SAC CO Societ	20 17 20 18 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333=	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244=	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12.	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/
	pe SAC CO Societ	20 17 20 18 20 19	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552=	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916=	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43%
5	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43%
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100
5	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%12080255	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547=	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2=
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%12080255 = 14.19%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07%
2	pe SAC CO Societ y Ltd Kimis itu SAC CO	20 17 20 18 20 19 20 20 20 16	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843.	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%12080255 = 14.19% 2211894.6905x	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100%
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000=	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16.
2	pe SAC CO Societ y Ltd Kimis itu SAC CO	20 17 20 18 20 19 20 20 20 16 20 17	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%12080255 = 14.19% 2211894.6905x 100%/1208025 5= 18.31%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16. 6%
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398.	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025 5=18.31% 5664963.216x1	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79% 17273862.848x	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16. 6% 322828.6404x10
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16 20 17	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100 %17151000=	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398. 68/27772881	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025 5= 18.31% 5664963.216x1 00%/42916388	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79% 17273862.848x 100%/19629389	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16. 6% 322828.6404x10 0%5362602/2=1
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2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100 %17151000= 13.39% 4472540004.02 x100%3445716	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398. 68/27772881 8= 17.26 658367195.6 7/51555771	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025 5=18.31% 5664963.216x1 00%/42916388 = 13.2% 29909966.334x 100%/2431704	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79% 17273862.848x 100%/19629389 6= 8.8% 2228560.555x1 00%/34285547=	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16.6% 322828.6404x10 0%5362602/2=1 2.04% 31398.744x100 %999960/2=6.28
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100 %17151000= 13.39% 4472540004.02 x100%3445716 49= 12.98%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398. 68/27772881 8= 17.26 658367195.6 7/51555771 = 12.77	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025 5= 18.31% 5664963.216x1 00%/42916388 = 13.2% 29909966.334x 100%/2431704 58= 12.3%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79% 17273862.848x 100%/19629389 6= 8.8% 2228560.555x1 00%/34285547= 6.5%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16.6% 322828.6404x10 0%5362602/2=1 2.04% 31398.744x100 %999960/2=6.28 %
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100 %17151000= 13.39% 4472540004.02 x100%3445716 49= 12.98% 6415904.6328x	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398. 68/27772881 8= 17.26 658367195.6 7/51555771 = 12.77 588766904.8	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%12080255 = 14.19% 2211894.6905x 100%/1208025 5= 18.31% 5664963.216x1 00%/42916388 = 13.2% 29909966.334x 100%/2431704 58= 12.3% 4626386.6264x	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547= =10.79% 17273862.848x 100%/19629389 6= 8.8% 2228560.555x1 00%/34285547= 6.5% 605045x100%1	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16.6% 322828.6404x10 0%5362602/2=1 2.04% 31398.744x100 %999960/2=6.28 % 3837513.6x100
2	pe SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%61036793= 0.02% 1637524.0693x 100%54402793 = 3.01% 8305.974x100% 41529870= 0.02% 36177526.33x1 00%/35819333= 1.01% 2715355.2x100 %/27153552= 0.1% 13769172.7664 x100%6377569 6/= 21.59% 3234678.6x100 %/17151000= 18.86% 2296518.9x100 %17151000= 13.39% 4472540004.02 x100%3445716 49= 12.98%	1/10622641 = 10.11 1442940.4/6 558882= 2.2 34571091.3/ 5859507= 5.9 18185843.76 /5137244= 3.54 6339759.16/ 4717364 =15.19 9802419/891 129 = 11 1052768843. 82/51555771 = 20.42 4793599398. 68/27772881 8= 17.26 658367195.6 7/51555771 = 12.77	100%/7165943 4=11.49% 14630803.2x10 0%/60961680= 24% 3459424.521x1 00%/47389377 =7.3% 1784489.388x1 00%/40956577 =4.4% 701160.152x10 0%/31870916= 2.2% 171418818.45x 100%/12080255 = 14.19% 2211894.6905x 100%/1208025 5= 18.31% 5664963.216x1 00%/42916388 = 13.2% 29909966.334x 100%/2431704 58= 12.3%	100%/1196969 =16.98% 151274.6136x1 00%/975336=15 .51% 3803838.1512x 100%/995196=3 8.222% 89794.7472x10 0%/743334=12. 08% 82078.4682x10 0%/622278=13. 19% 599997.475x10 0%/34285547= 17.5% 3699410.5213x 100%/34285547 = 10.79% 17273862.848x 100%/19629389 6= 8.8% 2228560.555x1 00%/34285547= 6.5%	00%/71659434/2 =24.89% 7127747.4x100 %60961680/2= 23.5% 3848017.4124x1 00%/47389377/2 = 16.24% 2955017.03055x 100%/40956577/ 2=14.43% 1931102.60555x 100%/40956577/ 2=9.43% 18573229.2x100 %168312000/2= 22.07% 1739.016x100% 20952000/2=16.6% 322828.6404x10 0%5362602/2=1 2.04% 31398.744x100 %999960/2=6.28 %

2	17:1	20	(40(220 1746-	040657201.0	C27705 7004-1	247105750040-	224422 0505-10
2	Kingd	20	6406338.1746x	949657301.8	637705.7904x1	247185750048x	324433.0595x10
7	om	16	100%/63776388	2/51555771	00%/3199728=	100%/12242979	0%/2714921/2=2
	SAC		= 10.45%	= 18.42	19.93%	2=20.19%	3.9%
	CO	20	6116155.6092x	163754500/1	2936110226.28	13699893.7248	12233389.77595
	Societ	17	100%/63776388	0325000=	x100%/165788	x100%1224297	x100%12106273
	y Ltd	- /	= 9.59%	15.86	268=17.71	92=11.19%	9/2=20.21%
	J Ltu	20	2027346780.66	4790019531.	278217.825x10	300454.4592x1	1616339.352x10
		18	x100%/2807959	66/42806251	0%1912150=14	00%/3199728=9	0%17568906/2=
			53= 7.22%	4 = 11.19	.55%	.39%	18.4%
		20	1608642.0545x	142081400/1	485290.525x10	15730.6176x10	188734.6483x10
		19	100%/72136415	7327000=	0%/4485125=1	0%3199728=4.9	0%3237301/2=1
			= 2.23%	8.2	0.82%	2%	1.66%
		20	7277062.738x1	76931880/17	2597729.6012x	3017656.4535x	747894.052x100
		20	00%428062514	327000=	100%/2634614	100%14578050	%17568906/2=8.
			=1.7%	4.44	2=9.86%	5=2.07%	4%
2	Kolen	20	384975.7978x1	4514473142.	177111.5736x1	1230634.467x1	1035072.5x100
8	geTea	16	00%/2714921=1	46/1481173	00%/1974488=	00%11086797=	%/7075000/2=29
	SAC	10	4.18%	=3.02	8.97%	11.1%	.26%
	CO	21	1154371.7628x	902543779.6	4210354.698x1	1130585x100%	62932125x100%
		21					
	Societ	7	100%/10349383	9/108348593	00%/68461052	7075000=15.98	7075000/217.79
	y Ltd		3=11.16%	=8.33	=6.15%	%	%
		20	9480035.1028x	16316675/27	6264186.258x1	16260452.6716	4820249.0232x1
		18	100%10349383	14921=6.01	00%/68461052	x100%/1230919	00%/68664516/2
			3=9.16%		=9.15%	96=13.21%	=14.04%
		20	6649275.1236x	16190801.6/	2681212.4448x	782337.472x10	656666.5672x10
		19	100%/92866971	1974488=8.	100%/1224297	0%/12224023=6	0%10456474/2=
			=7.16%	2	92=2.19%	.4%	12.56%
		20	38632659.936x	720334125.6	37116.8448x10	38223.8178x10	112866.249x100
		20	100%/92866971	/78984005=	0%3199728=1.	0%870702=4.39	%/1546113=7.3
			=4.16%	9.12	16%	%	%
2	Koru	20	57848217.7401	489161791.1	2940048.492x1	20837595.7x10	2485897.6787x1
	IXOIU	20		70/101//1.1	2770070.772XI	2003/3/3./X10	
0	SAC	16	v1000/, 2/12/1008	6/2/25190/19	000%/26/120285	0%/171221000-	000% /10558507—
9	SAC	16	x100%3424998	6/242518948	00%/26439285	0%/171221000=	00%/19558597=
9	CO		09=16.89%	=20.17	=11.12%	12.17%	25.42%
9	CO Societ	20	09=16.89% 525519.4657x1	=20.17 4649088233.	=11.12% 21734243.746x	12.17% 19005531x100	25.42% 18123742.85x10
9	CO		09=16.89% 525519.4657x1 00%/3677533=1	=20.17 4649088233. 16/24251894	=11.12% 21734243.746x 100%/2312153	12.17% 19005531x100 %/171221000=1	25.42% 18123742.85x10 0%171221000/2
9	CO Societ	20 17	09=16.89% 525519.4657x1 00%/3677533=1 4.29%	=20.17 4649088233. 16/24251894 8=19.17	=11.12% 21734243.746x 100%/2312153 59=9.4%	12.17% 19005531x100 %/171221000=1 1.1%	25.42% 18123742.85x10 0%171221000/2 =21.17%
9	CO Societ	20 17 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x	=20.17 4649088233. 16/24251894 8=19.17 424483686.5	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10	25.42% 18123742.85x10 0% 171221000/2 =21.17% 11274902.85x10
9	CO Societ	20 17	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4.	25.42% 18123742.85x10 0%171221000/2 =21.17%
9	CO Societ	20 17 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10	25.42% 18123742.85x10 0% 171221000/2 =21.17% 11274902.85x10
9	CO Societ	20 17 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4.	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2
9	CO Societ	20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17%
9	CO Societ	20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1
9	CO Societ	20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252=	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5.	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11.
9	CO Societ	20 17 20 18 20 19	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14%
9	CO Societ	20 17 20 18 20 19 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1.	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2.	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1
	CO Societ y Ltd	20 17 20 18 20 19 20 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4%
3	CO Societ y Ltd	20 17 20 18 20 19 20 20 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1
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3	CO Societ y Ltd	20 17 20 18 20 19 20 20 20	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18%
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3	CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97% 1395826.938x1 00%/11651310= 11.98% 15265898.4x10 0%/168312000= 9.07%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5 195427617.9 /34285547= 5.7 628140467.2 /196293896 = 3.2 54856875.2/ 34285547=	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19% 1003869.1905x 100%/1208025 5= 8.31% 1373324.416x1 00%/42916388 = 3.2% 7854405.7934x 100%/2431704	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2% 555276.5367x1 00%/51555771= 10.77% 5887669.0482x 100%/51555771 = 11.42% 30307188.298x 100%/22617304	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18% 4037843.38955x 100%36895193/ 2= 20.87% 3610611.82785x 100%/32425791/ 2= 22.27% 2278700.2812x1 00%27240888/2
3	CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97% 1395826.938x1 00%/11651310= 11.98% 15265898.4x10 0%/168312000= 9.07% 1319976x100%/ 20952000=6.3%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5 195427617.9 /34285547= 5.7 628140467.2 /196293896 = 3.2 54856875.2/ 34285547= 1.6	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19% 1003869.1905x 100%/1208025 5= 8.31% 1373324.416x1 00%/42916388 = 3.2% 7854405.7934x 100%/2431704 58= 3.23%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2% 555276.5367x1 00%/51555771= 10.77% 5887669.0482x 100%/51555771 = 11.42% 30307188.298x 100%/22617304 7= 13.4%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18% 4037843.38955x 100%36895193/ 2= 20.87% 3610611.82785x 100%/32425791/ 2= 22.27% 2278700.2812x1 00%27240888/2 = 16.73%
3	CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97% 1395826.938x1 00%/11651310= 11.98% 15265898.4x10 0%/168312000= 9.07% 1319976x100%/	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5 195427617.9 /34285547= 5.7 628140467.2 /196293896 = 3.2 54856875.2/ 34285547=	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19% 1003869.1905x 100%/1208025 5= 8.31% 1373324.416x1 00%/42916388 = 3.2% 7854405.7934x 100%/2431704	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2% 555276.5367x1 00%/51555771= 10.77% 5887669.0482x 100%/51555771 = 11.42% 30307188.298x 100%/22617304	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18% 4037843.38955x 100%36895193/ 2= 20.87% 3610611.82785x 100%/32425791/ 2= 22.27% 2278700.2812x1 00%27240888/2
3	CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97% 1395826.938x1 00%/11651310= 11.98% 15265898.4x10 0%/168312000= 9.07% 1319976x100%/ 20952000=6.3%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5 195427617.9 /34285547= 5.7 628140467.2 /196293896 = 3.2 54856875.2/ 34285547= 1.6	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19% 1003869.1905x 100%/1208025 5= 8.31% 1373324.416x1 00%/42916388 = 3.2% 7854405.7934x 100%/2431704 58= 3.23%	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2% 555276.5367x1 00%/51555771= 10.77% 5887669.0482x 100%/51555771 = 11.42% 30307188.298x 100%/22617304 7= 13.4%	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18% 4037843.38955x 100%36895193/ 2= 20.87% 3610611.82785x 100%/32425791/ 2= 22.27% 2278700.2812x1 00%27240888/2 = 16.73%
3	CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	09=16.89% 525519.4657x1 00%/3677533=1 4.29% 1569715.4619x 100%11705559 =13.41% 4486595.932x1 00%49303252= 9.1% 143849919.78x 100%/34249980 9=4.2% 3375384.507x1 00%/11651310= 28.97% 1395826.938x1 00%/11651310= 11.98% 15265898.4x10 0%/168312000= 9.07% 1319976x100%/ 20952000=6.3%	=20.17 4649088233. 16/24251894 8=19.17 424483686.5 4/32206653 =13.18 244448496.2 7/32206653 =7.59 1629611542. 57/28539606 7=5.71 291427149.5 /34285547= 8.5 195427617.9 /34285547= 5.7 628140467.2 /196293896 = 3.2 54856875.2/ 34285547= 1.6 8879500/103	=11.12% 21734243.746x 100%/2312153 59=9.4% 110442.6134x1 00%1764259=6 .26% 273245.58x100 %9108186=3% 548759.88x100 %/36583992=1. 5% 1714188.1845x 100%/1208025 5= 14.19% 1003869.1905x 100%/1208025 5= 8.31% 1373324.416x1 00%/42916388 = 3.2% 7854405.7934x 100%/2431704 58= 3.23% 729578.596x10	12.17% 19005531x100 %/171221000=1 1.1% 821461.074x10 0%19558597=4. 2% 997488.447x10 0%19558597=5. 1% 4172230.4x100 %200588000=2. 08% 7320919.482x1 00%/51555771= 14.2% 555276.5367x1 00%/51555771= 10.77% 5887669.0482x 100%/51555771 = 11.42% 30307188.298x 100%/22617304 7= 13.4% 25376615.8734	25.42% 18123742.85x10 0%171221000/2 =21.17% 11274902.85x10 0%171221000/2 =13.17% 8207952x100%1 47360000/2=11. 14% 6734352x100%1 47360000/2=9.1 4% 3679187.1011x1 00%/38364829/2 = 19.18% 4037843.38955x 100%36895193/ 2= 20.87% 3610611.82785x 100%/32425791/ 2= 22.27% 2278700.2812x1 00%27240888/2 = 16.73% 1399428.7948x1

3	Maish	20	2296518.9x100	3566379511.	637705.7904x1	14924191.6448	250451.46225x1
1	a	16	%17151000=	98/35592609	00%/3199728=	x100%/1224297	00%/2714921/2=
	Bora		13.39%	9= 10.02	19.93%	92=12.19%	18.45%
	SAC	20	1519578.6x100	722310212.6	558992.4816x1	10514973.4328	255881.4272x10
	CO	17	%/17151000=	8/139442126	00%3199728=1	x100%/1034938	0%2714921/2=1
	Societ		8.86%	=5.18	7.47%	33=10.16%	6.64%
	y Ltd	20	3762766.064x1	582868086.6	12449655.127x	8900469.638x1	6679690.75845x
		18	00%/63775696=	8/139442126	100%14578050	00%103493833	100%108348593
			5.9%	=4.18	5=8.54%	=8.6%	/2=12.33%
		20	11336407.2521	10335121.44	99991.0648x10	146062.7498x1	745546.7673x10
		19	x100%/3445716	/3199728=3.	0%2113976=4.	00%/2714921=5	0%1481173/2=1
		20	49= 3.29%	23	73%	.38%	0.02%
		20	924757.626x10	10703352.4/	10703352.4x10	105881.919x10	108869.0649x10
		20	0%/63776388=	3199728=1.	0%4116674	0%2714921=3.9	0%3036794/2=7.
2	Matus	20	1.45%	16	=2.6% 1230634.467x1	% 17276491 110	17%
3 2	Metro polita	20 16	655145x100%7 075000=9.26%	126311451.1 4/58208042	00%11086797=	17376481.1x10 0%78984005=2	1643538.4461x1 00%15281622/2
	n ponta	10	073000-9.20%	=2.17	11.1%	2%	=21.51%
	SAC	20	781787.5x100%	172628060.5	11541624.7903	2281376.2104x	1040145.888x10
	CO	17	7075000=11.05	2/80667318	x100%1143867	100%/10522953	0%/108348593/2
	Societ	' '	%	=2.14	67=10.09%	=21.68%	=19.2%
	y Ltd	20	903477.5x100%	10294809.03	9253889.4503x	468876.1284x1	233483.206x100
	,	18	/7075000=12.77	/114386767	100%11438676	00%2707137=1	%/2714921/2=17
			%	=0.09	7=8.09%	7.32%	.2%
		20	1096676.352x1	111976649.7	544730.688x10	103427.8272x1	205926.75785x1
		19	00%7214976=1	/11086797=	0%/7214976=7.	00%897811=11.	00%/2714921/2=
			5.2%	10.1	55%	52%	15.17%
		20	332525x100%7	633959988.2	2308792.32x10	7203341.256x1	518197.3578x10
		20	075000=4.7%	2/56704829	0%7214976=3.	00%78984005=	0%92866971/2=
				=11.18	2%	9.12%	11.16%
	Mom	20	11541624.7903	130250750/7	4146300.1452x	1156762.5x100	6452361.14557x
3	Mom						
3	basa	16	x100%=10.09%	075000=18.	100%80667318	%/7075000=16.	100%58208042/
	basa Port	16	x100%=10.09%	075000=18. 41	100%80667318 =5.14%	%/7075000=16. 35%	100%58208042/ 2=22.17%
	basa Port SAC	16 20	x100%=10.09% 10322368638.3	075000=18. 41 259724111.5	100% 80667318 =5.14% 2532953.7852x	%/7075000=16. 35% 9025605.792x1	100%58208042/ 2=22.17% 5694784.095x10
	basa Port SAC CO	16	x100%=10.09% 10322368638.3 4x100%114386	075000=18. 41 259724111.5 6/123091996	100% 80667318 =5.14% 2532953.7852x 100% 80667318	%/7075000=16. 35% 9025605.792x1 00%/67154805=	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2=
	basa Port SAC CO Societ	16 20 17	x100%=10.09% 10322368638.3 4x100%114386 767=9.02%	075000=18. 41 259724111.5 6/123091996 =2.11	100% 80667318 =5.14% 2532953.7852x 100% 80667318 =3.14%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44%	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5%
	basa Port SAC CO	16 20 17 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/	100% 80667318 =5.14% 2532953.7852x 100% 80667318 =3.14% 145037.5x100%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100%
	basa Port SAC CO Societ	16 20 17	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7.	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3	100% 80667318 =5.14% 2532953.7852x 100% 80667318 =3.14% 145037.5x100% 7075000=2.05	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2
	basa Port SAC CO Societ	20 17 20 18	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5	100% 80667318 =5.14% 2532953.7852x 100% 80667318 =3.14% 145037.5x100% 7075000=2.05 %	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6%
	basa Port SAC CO Societ	16 20 17 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7.	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3	100% 80667318 =5.14% 2532953.7852x 100% 80667318 =3.14% 145037.5x100% 7075000=2.05	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2
	basa Port SAC CO Societ	20 17 20 18 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100%
	basa Port SAC CO Societ	20 17 20 18 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3.	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1
	basa Port SAC CO Societ	20 17 20 18 20 19	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2
3	basa Port SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04%
3	basa Port SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x
3	basa Port SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/
3	basa Port SAC CO Societ y Ltd Muki SAC CO	20 17 20 18 20 19 20 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51%
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 20 16	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x
3	basa Port SAC CO Societ y Ltd Muki SAC CO	20 17 20 18 20 19 20 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331=	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 =	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 20 16	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58%
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%/11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 20 16	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7.	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%/1153549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18.
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4= 7.16%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07%
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92% 9860847.3964x	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4=7.16% 4893516.2506x	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56% 46879908.936x	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00% /68664516/2 =10.04% 13546124299.5x 100% 11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07% 7909011.9238x1
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92% 9860847.3964x 100%/31403972	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4=7.16% 4893516.2506x 100%/4147047	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07% 7909011.9238x1 00%/125440316/
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92% 9860847.3964x	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6 3548932337. 32/39085157	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4=7.16% 4893516.2506x	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56% 46879908.936x 100%/55809415	100% 58208042/ 2=22.17% 5694784.095x10 0% 58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00% /68664516/2 =10.04% 13546124299.5x 100% 11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07% 7909011.9238x1
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 20 16 20 17 20 18	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92% 9860847.3964x 100%/31403972 6= 3.14%	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6 3548932337. 32/39085157 9=9.08	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4=7.16% 4893516.2506x 100%/4147047 67=1.18%	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56% 46879908.936x 100%/55809415 4=8.4%	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07% 7909011.9238x1 00%/125440316/ 2=12.61%
3	basa Port SAC CO Societ y Ltd Muki SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19 20 20 20 20 20 20 20 20 20 20 20 20 20	x100%=10.09% 10322368638.3 4x100%114386 767=9.02% 544730.688x10 0%/7214976=7. 55% 230879.232x10 0%/7214976=3. 2% 2696966.794x1 00%/125440316 =2.15% 50330962.045x 100%/36737928 5=13.7% 7654010.312x1 00%50355331= 15.2% 2981035.5952x 100%50355331 = 5.92% 9860847.3964x 100%/31403972 6= 3.14% 6594834.246x1	075000=18. 41 259724111.5 6/123091996 =2.11 1448637.15/ 432429=3.3 5 3395737.8/8 70702=3.9 2937655.2/1 2224023=2. 4 298401894.5 7/63354967 =4.71 72447509.42 /12426674 = 5.83 19150261.2/ 5319517=3.6 3548932337. 32/39085157 9=9.08 20591173.22	100%80667318 =5.14% 2532953.7852x 100%80667318 =3.14% 145037.5x100% 7075000=2.05 % 72872.5x100%7 075000=1.03% 3609672.963x1 00%/92555717 =3.9% 72570071.952x 100%/4903383 24=14.8% 7377007.7504x 100%/7260834 4=10.16% 5198757.4304x 100%/7260834 4=7.16% 4893516.2506x 100%/4147047 67=1.18% 746468.5806x1	%/7075000=16. 35% 9025605.792x1 00%/67154805= 13.44% 509633880x100 %/420490=12.1 2% 87701.1906x10 0%736366=11.9 1% 87701.1906x10 0%/10449976=6 .89% 11147994.8804 x100%8125360 7=13.72% 1560843.9022x 100%/16499407 =9.46% 525057.8004x1 00%6945209=7. 56% 46879908.936x 100%/55809415 4=8.4% 234151.4862x1	100%58208042/ 2=22.17% 5694784.095x10 0%58208042/2= 19.5% 575197.5x100% 7075000/2=16.2 6% 53319625x100% /7075000/2=14.7 9% 3446958.7032x1 00%/68664516/2 =10.04% 13546124299.5x 100%11053549/ 2=24.51% 112925.3983 x 100%/1153477/2 =19.58% 43775.2978x100 %/484508/2=18. 07% 7909011.9238x1 00%/125440316/ 2=12.61% 363274.0416x10

3	Miliki	20	33915056x100	173577468.4	33691950x100	582080.42x100	2153429.4822x1
5	SAC	16	%484508	/10456474=	%7075000	%/58208042=1	00%/7796631/2=
	CO		=7.0%	16.6	=47.79%	%	55.24%
	Societ	20	305727.303x10	248709428.8	3353550x100%	2370261.8522x	3013541.0708x1
	y Ltd	17	0%/432429=70.	/10449976=	/7075000=47.4	100%/56704829	00%/11012392/2
			7%	23.8	%	=4.18%	= 54.73%
		20	1049746865x10	238719051.9	481100000x100	3307360.038x1	361711254.93x1
		18	0%/699365=15.	2/11888399	%/7075000=68.	00%/80667318=	00%/15477589/2
			01%	=20.08	03	4.1%	= 46.74%
		20	5554672.9x100	366720690/1	5143525x100%	1119766.497x1	4260024.426x10
		19	%420490	2224023=30	/7075000=72.7	00%/11086797=	0%/19986040/2=
		20	=13.21%	154060221.4	%	10.1%	42.63%
		20	8169406.7x100	154860221.4	38445222x100	2390683.4303x	478181652125x1
		20	%/897737	9/11053549	%7214976=53.	100%/11438676	00%/25293925/2
2	Manual	20	=9.10% 2185733.3745x	=14.01	25 565711.5255x1	7=2.09%	= 37.81% 3000718223.14x
3	Mwal imu	20 16	100%/72136415	1786749016. 98/35592609	00%/34285547	3985210x100%/ 17327000= 23%	100%/42806251
0	SAC	10	= 3.03%	98/33392009 9= 5.02	= 1.65%	1/32/000- 23%	4/2 = 14.02%
	CO	20	829084.048x10	3425702.66/	437747.1576x1	48125706000x1	2081212759.96
	Societ	17	0%/63775696=	280795953=	00%/42916388	00%/17151000=	x100%/3445716
	y Ltd	1 /	1.3%	1.22	= 1.02%	28.06%	49/2= 12.08%
	<i>j</i> 200	20	628980.4062x1	275931117.3	577424.6352x1	2897259.6x100	1760800706.12
		18	00%/51555771=	4/226173047	00%/51555771	%/13278000=	x100%/2777288
			1.22%	= 1.22	= 1.12%	21.82%	18/2 = 12.68%
		20	523579.9336x1	4860250.47/	892869.432x10	36615163.4905	1432273997.62x
		19	00%/42916388=	162008349=	0%/63776388=	x100%/1208025	100%/24317045
			1.22%	0.03	1.4%	5= 30.31%	8/2 = 11.78%
		20	359998.2435x1	4860250.47/	887283.5379x1	1637545x100%/	988339766.36x1
		20	00%/34285547=	162008349=	00%/72136873	10325000=	00%/196293896/
			1.05%	0.03	= 1.23%	15.86%	2 = 10.07%
2	N /I:4	20	227820633.6x1	303983834.6	4320979.6608x	659691.75x100	10824137.79365
3	Mwit	20					
7	О	16	00%3199728=7	8/139442126	100%/1657882	%/1912150=34.	x100%/7213687
	o SAC	16	00%3199728=7 1.2%	8/139442126 =2.18	100%/1657882 68=2.56%	%/1912150=34. 5%	x100%/7213687 3/2= 30.01%
	o SAC CO	16 20	00%3199728=7 1.2% 2057425.104x1	8/139442126 =2.18 133448473.2	100%/1657882 68=2.56% 1559851.4035x	%/1912150=34. 5% 522786.2648X1	x100%/7213687 3/2= 30.01% 11722048500
	o SAC CO Societ	16	00%3199728=7 1.2% 2057425.104x1 00%3199728=6	8/139442126 =2.18 133448473.2 8/122429792	100%/1657882 68=2.56% 1559851.4035x 100%/1457805	%/1912150=34. 5% 522786.2648X1 00%/2113976=2	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638
	o SAC CO	16 20 17	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3%	8/139442126 =2.18 133448473.2 8/122429792 =1.09	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06%
	o SAC CO Societ	16 20 17 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1
	o SAC CO Societ	16 20 17	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921=	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2
	o SAC CO Societ	20 17 20 18	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82%
	o SAC CO Societ	20 17 20 18 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1
	o SAC CO Societ	20 17 20 18	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921=	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971=	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19.	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2
	o SAC CO Societ	20 17 20 18 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1
	o SAC CO Societ	20 17 20 18 20 19	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26%
7	o SAC CO Societ	20 17 20 18 20 19 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12%
3	o SAC CO Societ	20 17 20 18 20 19 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1
7	o SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/
3	o SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71%
3	o SAC CO Societ y Ltd Mzim a SAC CO	20 17 20 18 20 19 20 20 20 16	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 20	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10.	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792=	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2
3	o SAC CO Societ y Ltd Mzim a SAC CO	20 17 20 18 20 19 20 20 20 16 20 17	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54%
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 20 16 20 17	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921=	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17%
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4% 684175.8909x1	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12 15787385.07	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100%10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38% 520450.3557x1	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6% 43636744.4x10	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17% 5860376.301x10
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4% 684175.8909x1 00%/23350713=	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12 15787385.07 /92866971=	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38% 520450.3557x1 00%2714921=1	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6% 43636744.4x10 0%/4116674	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17% 5860376.301x10 0%145780505/2
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4% 684175.8909x1 00%/23350713= 2.93%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12 15787385.07 /92866971= 0.17	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38% 520450.3557x1 00% 2714921=1 9.17%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6% 43636744.4x10 0%/4116674 =10.6%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17% 5860376.301x10 0%145780505/2 =8.04%
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4% 684175.8909x1 00%/23350713= 2.93% 2581921.916x1	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12 15787385.07 /92866971= 0.17 7134715.72/	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38% 520450.3557x1 00%2714921=1 9.17% 20886.2136x10	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0% 1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6% 43636744.4x10 0%/4116674 =10.6% 215286x100%4	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00%42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17% 5860376.301x10 0%145780505/2 =8.04% 5471012.844x10
3	o SAC CO Societ y Ltd Mzim a SAC CO Societ	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	00%3199728=7 1.2% 2057425.104x1 00%3199728=6 4.3% 9252456.0768x 100%/2714921= 34.08% 791670.90636x 100%/2714921= 29.16% 159341.1816x1 00%1974488=8. 07% 799744.428x10 0%/10522953=7 .6% 155872544x100 %15281622=10. 2% 948720.924x10 0%/17568906=5 .4% 684175.8909x1 00%/23350713= 2.93%	8/139442126 =2.18 133448473.2 8/122429792 =1.09 14489136.62 /103493833 =0.14 13930045.65 /92866971= 0.15 7530715.72/ 68461052=0 .11 292828464.6 /139442126 =2.1 24485958.4/ 122429792= 0.2 12419259.96 /103493833 =0.12 15787385.07 /92866971= 0.17	100%/1657882 68=2.56% 1559851.4035x 100%/1457805 05=1.07% 1222733.6639x 100%/1210627 39=1.01% 1170164.8044x 100% 10834859 3=1.08% 157968.01X100 %78984005=0. 2% 1639220.6544x 100%/3199728 =51.23% 11003846.7092 x100%/319972 8=34.39% 661897.7398x1 00%/2714921= 24.38% 520450.3557x1 00% 2714921=1 9.17%	%/1912150=34. 5% 522786.2648X1 00%/2113976=2 4.73% 401596.382x10 0%/1772270=22 .66% 26851.1046x10 0%1481173=19. 02% 281719.1046x1 00%/897811=11 .52 550090.2384x1 00%/2707137=2 0.32% 551785.4698x1 00%/3036794=1 8.17% 407899.926x10 0%/3237301=12 .6% 43636744.4x10 0%/4116674 =10.6%	x100%/7213687 3/2= 30.01% 11722048500 x100%/6377638 8/2= 25.06% 5109176.9061x1 00%/51555771/2 = 19.82% 3274520.4044x1 00% 42916388/2 = 15.26% 2249131.8032x1 00%/34285547/2 = 13.12% 2326014.5314x1 00%/165788268/ 2=27.71% 841295.1385x10 0%/145780505/2 =11.54% 5550726.58315x 100%/12106273 9/2=9.17% 5860376.301x10 0%145780505/2 =8.04%

	NT C 1	20	£010040£0010	106620204/2	1000472 1606	2170260 1000	14020200 1000/
3	Nafak	20	591084258912x	126638224/3	1998473.1606x	2159269.1088x	14920200x100%
9	a	16	100%29319655	9574445=3.	100%/1946313	100%/19558597	147360000/2=20
	SAC	20	7=20.16%	21 (0010100	67=10.18%	=11.04%	.25%
	CO	20	32720735.7612	2169010109.	21759786.8306	17049980x100	13277136x100%
	Societ	17	x100%/2931965	2/285396067	x100%/194631	%200588000=8.	147360000/2=18
	y Ltd	20	57=11.16%	=7.6	367=11.18%	5%	.02%
		20	4887744.9575x	170695260.9	419062.66725x	288591.0178x1	877926.2085x10
		18	100%/39574445	/32206653= 5.3	100%/2643928	00%/2259914=1 2.77%	0%11651310/2= 15.07%
		20	=12.35% 390995516.6x1	9283884.8/2	5=15.85% 2093991.372x1	549938.6896x1	6687913.469x10
		19	00%/39574445=	901214=3.2	00%/26439285	00%/7723858=7	0%11651310/2=
		17	9.88%	901214-3.2	=7.92%	.12%	11.98%
		20	14384991.978x	28052489.5/	4184997.9979x	4190670.9x100	8474509.2x100
		20	100%/34249980	8014997=3.	100%/2312153	%/29367000=14	%168312000/2=
		20	9=4.2%	5	59=1.81%	.27%	10.07%
4	Nacic	20	34906032x100	230837993.6	34257106.266x	56267858.5268	22027947.7x100
0	0	16	%/20952000=16	/72136873=	100%/2807959	x100%/2777288	%/200254070/2=
	SAC	10	.66%	3.2	53= 12.2%	18= 20.26%	22%
	CO	20	1396421.5608x	5093943916.	3425710.6266x	29628669.157x	3866766.5588x1
	Societ	17	100%/5362602=	6/428062514	100%28079595	100%/22617304	00%/42916388/2
	y Ltd	1	26.04%	= 11.9	3= 1.22%	7= 13.1%	= 18.02%
	<i>y</i> =	20	162793.488x10	142081400/1	714295545.6x1	2537661587.35	2313193.3132x1
		18	0%/999960=16.	7327000=	00%/63776388	4x100%/226173	00%/42916388/2
			28%	8.2	=1 1.9%	047=1 1.22%	=10.78%
		20	12724387.2x10	58911800/17	6664632.546x1	7320919.482x1	14869873.5067x
		19	0%/168312000=	327000= 3.4	00%/63776388	00%/51555771=	100%/24317045
			7.56%		= 10.45%	14.2%	8/2= 12.23%
		20	537125.391x10	1138963516.	9992578.7821x	5310244.413x1	549651.6025x10
		20	0%11651310=4.	8/355926099	100%/3445716	00%/51555771=	0%/12080255/2=
			61%	= 3.2	49= 0.29%	10.3%	9.1%
4	Nandi	20	25099582.68x1	28370924.45	20181297.435x	451762.8544x1	3474398.389x10
1	Farme	16	00%/139442126	/2714921=1	100%10349383	00%/2714921=1	0%/68461052/2=
	r		=18%	0.45	3=19.5%	6.64%	10.15%
	SAC	20	22500624 412	000711460	10514973.4328	9025437.7969x	3833818.912x10
		20	22589624.412x	992714459.8			
	CO	17	100%/13944212	/121062739	x100%/103493	100%/10834859	0%/68461052/2=
	CO Societ	17	100%/13944212 6=16.2%	/121062739 =8.2	x100%/103493 833=10.16%	100%/10834859 3=8.33%	0%/68461052/2= 11.2%
	CO	17 20	100%/13944212 6=16.2% 263337.6144x1	/121062739 =8.2 11696982/17	x100%/103493 833=10.16% 146062.7498x1	100%/10834859 3=8.33% 74354.8846x10	0%/68461052/2= 11.2% 88555.7868x100
	CO Societ	17	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8	/121062739 =8.2 11696982/17	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8.
	CO Societ	17 20 18	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23%	/121062739 =8.2 11696982/17 72270=6.6	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97%
	CO Societ	20 18 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1	/121062739 =8.2 11696982/17 72270=6.6	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100
	CO Societ	17 20 18	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7
	CO Societ	20 18 20 19	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6%
	CO Societ	20 18 20 19 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1
	CO Societ	20 18 20 19	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906=	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2
4	CO Societ y Ltd	20 18 20 19 20 20 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22%
4 2	CO Societ y Ltd	20 18 20 19 20 20 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175
4 2	CO Societ y Ltd	20 18 20 19 20 20 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676
	CO Societ y Ltd	20 18 20 19 20 20 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16.	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175
	CO Societ y Ltd Ollin SAC CO	20 18 20 19 20 20 20	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05%
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 20 16	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 20 16	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805=	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 20 16 20 17	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09%
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 20 16 20 17	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 %	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55%
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 20 16 20 17 20 18	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26%	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 % 568122.5x100%	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55% 548338.176x100
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 16 20 17 20 18	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26% 105417500x100 %/707500014.9	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12 2142825.06/ 736366=2.9	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 % 568122.5x100% 7075000=8.03	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35% 124510.386x10 0%/870702=14.	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55% 548338.176x100 %/7214976/2=15
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 16 20 17 20 18 20 19	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26% 105417500x100 %/707500014.9 %	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12 2142825.06/ 736366=2.9 1	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 % 568122.5x100% 7075000=8.03 %	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35% 124510.386x10 0%/870702=14. 3%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55% 548338.176x100 %/7214976/2=15 .2%
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 16 20 17 20 18 20 19	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26% 105417500x100 %/707500014.9 % 3460691.6064x	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12 2142825.06/ 736366=2.9 1 72000334.64	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 % 568122.5x100% 7075000=8.03 % 36096782.963x	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35% 124510.386x10 0%/870702=14. 3% 1515778.852x1	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55% 548338.176x100 %/7214976/2=15 .2% 7620449.197x10
	CO Societ y Ltd Ollin SAC CO Societ	20 18 20 19 20 20 16 20 17 20 18 20 19	100%/13944212 6=16.2% 263337.6144x1 00%/3199728=8 .23% 485078.7648x1 00%/3199728=1 5.16% 2586296.9808x 100%/16578826 8=1.56% 11740562.0714 x100%/5820804 2=20.17% 640288.462x10 0%/58208042=1 .1% 655145x100%7 075000=9.26% 105417500x100 %/707500014.9 %	/121062739 =8.2 11696982/17 72270=6.6 16257771.2/ 3237301=11 .2 124739232.6 /17568906= 7.1 115676250/7 075000=16. 35 231012529.2 /67154805= 3.44 2152908.8/4 20490=5.12 2142825.06/ 736366=2.9 1	x100%/103493 833=10.16% 146062.7498x1 00%2714921=5 .38% 377374.019x10 0%/2714921=1 3.9% 5096741.3119x 100%/1210627 39=4.21% 11309557.9836 x100%/806673 18=14.02% 911540693.4x1 00%/80667318 =11.3% 357287.5x100% /7075000=5.05 % 568122.5x100% 7075000=8.03 %	100%/10834859 3=8.33% 74354.8846x10 0%1481173=5.0 2% 217738.1298x1 00%/3036794=7 .17% 1606098.4722x 100%/15281622 =10.51% 997575x100%/7 075000=18.41% 25972.411156x 100%/12309199 6=2.11%% 1448.607x100% /432429=3.35% 124510.386x10 0%/870702=14 3%	0%/68461052/2= 11.2% 88555.7868x100 %/1974488/2=8. 97% 76610.1344x100 %1974488/2=7.7 6% 2061482.5305x1 00%/78984005/2 =5.22% 13755008.73175 x100%11438676 7/2=24.05% 12062084.58015 x100%/1143867 67/2=21.09% 273365.344x100 %/7214976/2=7. 55% 548338.176x100 %/7214976/2=15 .2%

4	Safari	20	2709224.8599x	302263418.0	72570071.952x	2984018.9457x	25165481.0225x
3	com	16	100%/11053549	4/81253607	100%/4903383	100%/63354967	100%/36737928
	SAC		=24.51%	=3.72	24=14.8%	=4.71%	5/2=13.7%
	CO	20	11050309.66x1	72597390.8/	7377007.7504x	1221542.0542x	2749010.0726x1
	Societ	17	00%/1153477	16499407=4	100%/7260834	100%/12426674	00%50355331/2
	y Ltd	20	=9.58%	.4	4=10.16%	=9.83%	=10.92%
		20 18	1637976.1956x 100%/484508=3	52089067.5/ 6945209=7.	3020507.1104x 100%/7260834	723454.312x10 0%/5319517=13	1490517.7976x1 00%/50355331/2
		10	3.80%	5	4= 4.16%	.6%	= 5.92%
		20	3273992.2476x	4743800309/	116116133.476	35489323.3732	1821430.4108x1
		19	100%/12544031	558094154=	x100%/414704	x100%/3908515	00%/314039726/
			6= 2.61%	8.5	767= 2.8%	79=9.08%	2= 1.16%
		20	1637799.552x1	20268927.1/	829409.534x10	177263.1432x1	1413178.767x10
		20	00%/7214976=	3025213=6.	0%/414704767	00%/2984228=5	0%/314039726/2
_	GI :	20	22.7%	7	= 0.2%	.94%	= 0.9%
4 4	Sheria SAC	20 16	14890258.864x 100%/28635113	382205.9/20 1161=1.9	3616.7235x100 %/29915=	36442.703x100 %174367=20.9	6985.755x100%/ 155,239.00/2=9
4	CO	10	2=5.2%	1101-1.9	12.09%	%174307=20.9 %	%
	Societ	20	4295266.98x10	442554.2/20	2457150.08x10	20052.205x100	5510.9845
	y Ltd	17	0%/286351132=	1161=2.2	0%/225,841 =	%/174367=11.5	x100%/155,239.
			1.5%		10.88%	%	00/2=7.1%
		20	2965678.7426x	90907.6/324	1216.115x100%	972.9792x100%	72964485x100%
		18	100%/35904101	67=2.8	/8387=14.5%	/26368=3.69%	/21813/2=6.69%
		20	= 8.26%	20,6007,4/22	C000 574007 1	2240.726.1000/	614 02505 100
		20 19	1256643.535x1 00%/35904101=	396097.4/32 467=12.2	6808.574987x1 00%/755.6687=	3348.736x100% /26368=12.7%	614.03595x100 %/21813/2=5.63
		19	3.5%	407-12.2	9.01%	/20306-12.770	% % % % % % % % % % % % % % % % % % %
		20	35882703.2515	74190116/24	971.6733x100%	971.6733x100%	3502.4527x100
		20	x100%/3307161	0877=3.8	/38355=1.12%	206739=0.47%	%/184,826.00/2=
			59=10.85%				3.79%
4	Shirik	20	1458.585898x1	521130.48/1	5842963.4567x	15964110.477x	279173.6442x10
5	a	16	00%/29586=4.9	67029=3.12	100%/3836482	100%/18099898	0%/5127156=10.
	SAC CO	20	3% 740.3627x100%	113690.67/1	9= 15.23% 708387.9896x1	5= 8.82% 5840509.0519x	89% 193806.4968x10
	Societ	17	/8741=8.47%	9237=5.91	00%/4905734=	100%/36895193	0%/5127156/2=
	y Ltd	1,	707.11 01.1770	7207 6171	14.44%	= 15.83%	7.56%
		20	130677.95x100	20775.96/19	735860.1x100%	4895992.111x1	708503.53335x1
		18	%/8741=14.95-	237=1.08	/4905734=15%	00%/36895193=	
		•	%			13.27%	=4.37%
		20	2232698.08x10	206709/137,	14716705.199x	16211676.6x10	2707676.955x10
		19	0%/184,826 = 12.08%	806=1.5	100%/2084519 15= 7.06%	0%/144103792= 11.25%	0%/180511797/2 = 3%
		20	211.4984x100%	292148.72/1	7358374.2022x	368905707.52x	368032.72785x1
		20	/21813= 9.68%	37806=2.12	100%/3836482	100%/14410379	00%/32425791/2
					9= 19.18%	2=2.56%	= 2.27%
4		20	5557400.5624x	436997653.6	7279110.3996x	1484123.668x1	11422083.76x10
6		16	100%/27240888	5/150171015	100%/2716085	00%/32263558=	0%142776047/2
		20	= 16.73% 910829305.8x1	=2.91 139169714.4	97= 2.68% 3905382.02x10	4.6% 296267.517x10	= 16% 8281043.032x10
		20 17	910829305.8X1 00%/143212155	/19329127=	3905382.02X10 0%/25293925	296267.517X10 0%/5708430=5.	8281043.032x10 0%/142776047/2
		'	=6.36%	7.2	= 15.44%	19%	= 11.6%
		20	386193.8736x1	59920293.7/	7292238.5775x	529171.461x10	844302.4995x10
		18	00%/2979891=1	19329127=3	100%/2529392	0%/5708430=	0%/15477589/2=
			2.96%	.1	5= 28.83%	9.27%	10.91%
		20	209784.3264x1	274767964.8	2586656.199x1	17028922.666x	837337.5649x10
		19	00%/2979891=7 .04%	/130841888 =2.1	00%/23330320	100%/21153941 2= 8.05%	0%/15477589/2= 5.41%
1			.U470	_∠.ı		∠- 0.UJ%	J.4170
					=11.1%		
		20		18317864.32	=11.1% 37795119.858x	2524236.852x1	1923310.05405x
		20 20	1010636.9448x 100%/27240888	18317864.32 /130841888	=11.1% 37795119.858x 100%/2333032	2524236.852x1 00%/19986040=	1923310.05405x 100%/16652035
			1010636.9448x		37795119.858x		

4	Siraji	20	310183.7122x1	379291953.6	17018922.66x1	10166412.9792	449833.31985x1
7	SAC	16	00%/5230754	135461412/	00%211539412	x100%/1772387	00%/5734013/2=
	CO		= 5.93%	= 2.84	= 8.05%	2=57.36%	15.69%
	Societ	20	434675.6574x1	100653262.8	408543.4644x1	10161347.726x	18915433566x10
	y Ltd	17	00%/5230754	8/11012392	00%/7796631=	100%/19172354	0%/28106142/2=
			= 8.31%	= 9.14	5.24%	2=5.3%	13.46%
		20	11323383.868x	55282207.84	8610428.6136x	190767.075x10	7499739.1675x1
		18	100%/16652035	/11012392=	100%/1077650	0%/3023250=6.	00%/176464451/
		20	1= 6.8%	5.02 1869351865.	64= 7.99% 441417.7398x1	31% 84375.49391x7	2=8.5% 668189.9744x10
		20 19	73363771.86x1 00%/15477589=	6/116834491	00%/2996726=	144411=11.81%	0%/17723872/2=
		19	4.74%	= 1.6	14.73%	144411-11.01/0	7.54%
		20	569863.296x10	233668982/1	362603.846x10	751984.9677x1	487406.48x100
		20	0%/23744304=	16834491=	0%/2996726=1	00%/33721299=	%/17723872/2=5
			2.4%	2	2.1%	2.23%	.5%
4	Stima	20	235045.178x10	40586240.2/	2136631.966x1	1843311.1486x	700160.6535x10
8	Invest	16	0%117522589=	6653482=6.	00%/92897042	100%/61036793	0%/6558882/2=2
	ment SAC	20	0.2% 141027.468x10	22012680.3/	= 2.3% 1077605.872x1	= 3.02% 714130.4781x1	1.35% 1399070.556x10
	CO	17	0%/117522589=	5644277=3.	00%92897042=	00%/61036793=	0%/60961680/2=
	Societ	17	1.2%	9	1.16%	1.17%	4.59%
	y Ltd	20	513992.288x10	5436211.03/	30606.0172x10	1073949.0051x	7038.99635x100
	,	18	0%/17723872=2	1613119=3.	0%/6653482=0.	100%/10622641	%/425317/2=3.3
			.9%	37	46%	= 10.11%	1%
		20	1767070.0384x	34192331.4/	54957761.32x1	87955467.48x1	12240.4668x100
		19	100%/17723872	4119558=8.	00%/6653482=	00%/106226418	%/975336/2=2.5
			=9.97%	3	8.26%	.28%	1%
		20	508321.963x10	18639445.44	21612.7424x10	1067725.5666x	40665.0684x100
		20	0%/141200545= 0.36%	/19416089= 0.96	0%108063712= 0.02%	100%/71659434 =1.49%	%/6558882/2=1. 24%
4	Tr.:	20	146308.032x10	34688281.44	975562.6356x1	288287.7444x1	12269177.0355x
_ / I	1 91						
4 9	Tai SAC						
	SAC CO	16	0%/60961680=0 .24%	/5859507=5. 92	00%/5137244=	00%/5859507= 4.92%	100%/10622641/ 2=23.1%
	SAC		0%/60961680=0	/5859507=5.		00%/5859507=	100%/10622641/
	SAC CO	16	0%/60961680=0 .24%	/5859507=5. 92	00%/5137244= 18.99%	00%/5859507= 4.92% 38040080.832x 100%/60961680	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2
	SAC CO Societ	16 20 17	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42%	/5859507=5. 92 3184627.2/9 95196=3.2	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3%
	SAC CO Societ	16 20 17 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10	/5859507=5. 92 3184627.2/9 95196=3.2	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100
	SAC CO Societ	16 20 17	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882=	/5859507=5. 92 3184627.2/9 95196=3.2	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14.
	SAC CO Societ	20 17 20 18	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34%
	SAC CO Societ	20 17 20 18 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10
	SAC CO Societ	20 17 20 18	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793=	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377=	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5
	SAC CO Societ	20 17 20 18 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10
	SAC CO Societ	20 17 20 18 20 19	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793=	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5.	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364=	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43%
9	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1%
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1
9	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872=	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589=	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32%
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00% 92897042/2 = 16.32% 4923543.226x10
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2=
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16 20 17	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2= 10.6%
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 20 16	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2=
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00% 92897042/2 = 16.32% 4923543.226x10 0% 92897042/2= 10.6% 153030.086x100
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1 00%/17723872= 4.24% 2272200.3904x	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/ 2495881=3. 73 32110472.8/	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10 0%/17723872= 2.9% 1767070.0384x	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10 0%/1613119=5 .37% 341923.314x10	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00% 92897042/2 = 16.32% 4923543.226x10 0% 92897042/2= 10.6% 153030.086x100 %/6653482/2=4. 6% 86495.266x100
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1 00%/17723872= 4.24% 2272200.3904x 100%/17723872	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/ 2495881=3. 73 32110472.8/ 5734013=5.	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10 0%/17723872= 2.9% 1767070.0384x 100%/1772387	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10 0%/1613119=5. 37% 341923.314x10 0%/4119558=8.	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2= 10.6% 153030.086x100 %/6653482/2=4. 6% 86495.266x100 %/6653482/2=2.
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1 00%/17723872= 4.24% 2272200.3904x 100%/17723872 =12.82%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/ 2495881=3. 73 32110472.8/ 5734013=5. 6	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10 0%/17723872= 2.9% 1767070.0384x 100%/1772387 2=9.97%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10 0%/1613119=5 .37% 341923.314x10 0%/4119558=8 .3%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2= 10.6% 153030.086x100 %/6653482/2=4. 6% 86495.266x100 %/6653482/2=2. 6%
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1 00%/17723872= 4.24% 2272200.3904x 100%/17723872 =12.82% 747721.8138x1	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/ 2495881=3. 73 32110472.8/ 5734013=5. 6 95560882.8/	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10 0%/17723872= 2.9% 1767070.0384x 100%/1772387 2=9.97% 508321.962x10	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10 0%/1613119=5 .37% 341923.314x10 0%/4119558=8 .3% 186394.4544x1	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2= 10.6% 153030.086x100 %/6653482/2=4. 6% 86495.266x100 %/6653482/2=2. 6% 10806.3712x100
5	SAC CO Societ y Ltd	20 17 20 18 20 19 20 20 16 20 17 20 18 20 19	0%/60961680=0 .24% 224313.7644x1 00%/6558882=3 .42% 14691.7568x10 0%/6558882= 2.24% 609311.2816x1 00%54402793= 1.12% 5440.2793x100 %/54402793= 0.01% 331804710.3x1 00%158002243 = 2.1% 189602.6916x1 00%158002243 = 0.12% 751492.1728x1 00%/17723872= 4.24% 2272200.3904x 100%/17723872 =12.82%	/5859507=5. 92 3184627.2/9 95196=3.2 1656188/385 160=4.3 295709712.4 847389377= 6.24 30821006.82 /5859507=5. 26 113432780.8 /17723872= 6.4 822324341.6 6/176464451 =4.66 9309636.13/ 2495881=3. 73 32110472.8/ 5734013=5. 6	00%/5137244= 18.99% 1950500.0592x 100%/3187091 6= 6.12% 975707.6652x1 00%/35351727 =2.76% 38519.0082x10 0%/622278=6.1 9% 716567.5916x1 00%/4717364= 15.19% 235045.178x10 0%117522589= 0.2% 1410271.068x1 00%/11752258 9= 1.2% 513992.288x10 0%/17723872= 2.9% 1767070.0384x 100%/1772387 2=9.97%	00%/5859507= 4.92% 38040080.832x 100%/60961680 =6.24% 346882.8144x1 00%/5859507=5 .92% 11730296.2x10 0%/1196969 =9.8% 14077.9927x10 0%/425317=3.3 1% 409854.4912x1 00%/6653482=6 .16% 5731112.8512x 100%/14472507 2/=3.96% 86624.4903x10 0%/1613119=5 .37% 341923.314x10 0%/4119558=8 .3%	100%/10622641/ 2=23.1% 4099181.1105x1 00%/47389377/2 =17.3% 27615.972x100 %/385160/2=14. 34% 11019484.53x10 0%/4058742/2=5 .43% 21993.268x100 %/975336/2=4.5 1% 7580398.6272x1 00%92897042/2 = 16.32% 4923543.226x10 0%92897042/2= 10.6% 153030.086x100 %/6653482/2=4. 6% 86495.266x100 %/6653482/2=2. 6%

5	Ukrist	20	30333.34x100%	107394900.5	146308.032x10	346882.8144x1	901044.694x100
1	o Na	16	/15166670=0.2	1/10622641	0%/60961680=	00%/5859507=5	%/40956577/2=4
	Ufani		%	=10.11	0.24%	.92%	.4%
	si Wa	20	549732.2092x1	7157874.62/	88019.3644x10	78517.112x100	80654.7308x100
	Angal	17	00%/3472724=1	1196969	0%/6558882=1	%/995196=8.22	%5137244/2=
	ican SAC	20	5.83% 214028.9205x1	=5.98 8381627.94/	3.42% 14691.7568x10	% 32122.344x100	3.14% 65242.9988x100
	CO	18	00%/1481169=1	556549=15.	0%/6558882=	%/385160=8.34	%/5137244/2=
	Societ	10	4.45%	06	2.24%	%	2.54%
	y Ltd	20	4949318.0096x	350414632.2	609311.2816x1	2957097.1248x	340283.6635x10
		19	100%/10806371	6/71659434	00%/54402793	100%/47389377	0%/35819333/2=
			2=4.58%	= 4.89	= 1.12%	= 6.24%	1.9%
		20	528951.819x10	69047166.5/	5440.2793x100	308210.0682x1	1790.96665x100
		20	0%/6653482=7.	10622641=6	%54402793=	00%/5859507=5	%35819333/2
	T.T.	20	95%	.5	0.01%	.26%	11555115 5174
5 2	Un SAC	20 16	24438.1968x10 0%/27153552=	40469869.02 /192713662	1684028.5371x 100%/1406874	349951.0801x1 00%/184184779	11555115.5174x 100%/19535275
	CO	10	0.09%	=0.21	3=11.97%	=0.19%	6/2=11.83%
	Societ	20	317696.5584x1	231256394.4	28679711.7136	2283891.2596x	482883.48x100
	y Ltd	17	00%/27153552=	/192713662	x100%/222495	100%/18418477	%/10589550/2=9
			1.17%	=1.2	824=12.89%	9=1.24%	.12%
		20	71656759.16x1	75406735.7/	270558.2292x1	1825178.6172x	59970.5176x100
		18	00%/4717364 =	10620667=7	00%/3909801=	100%/11610551	%3486658/2=3.4
		20	15.19%	.1	6.92%	=15.72%	4%
		20 19	847238.5744x1	36110267.8/	98517539.2x10	1747387.9255x	108938.6955x10
		19	00%4717364= 17.96%	10620667=3 .4	0%/10436180 =9.44%	100% 11610551 =15.05%	0%8069533/2=2. 7%
		20	713908.5184x1	182493048.6	1825552.0126x	1807207.676x1	296764.6551x10
		20	00%/31870916=	6/233965447	100%/4065817	00%220391180	0%/30752814/2=
			2.24%	=0.78	4=4.49%	=0.82%	1.93%
5	Unisa	20	1816780.6308x	169694539.2	4885952.2732x	4880272.7457x	2094433.542x10
3	SAC	16	100%/19535275	/20694456=	100%49303252	100%/28539606	0%/36583992/2=
	CO	•	6=0.93%	8.2	=9.91%	7=1.71%	11.45%
	Societ	20	537949.14x100	31518833.4/	15784315.4619	24444484.9627	592032.09x100
	y Ltd	17	% 10589550=5.08	5836821=5. 4	x100%/117055 59=13.41%	x100%/3220665 3=7.59%	%9108186/2=13 %
			%	4	39=13.41/0	3-1.3970	70
		20	1825638.42x10	10398750.2/	304867.857x10	4888969.254x1	55221.3067x100
		18	0%/10589550=1	2418314	0%/3677533=8.	00%/32206653=	%/1764259/2=6.
			7.24%	=4.3	29%	15.18%	26%
		20	296278.956x10	1640466240/	3048248.3001x	12368466.348x	5086737.898x10
		19	0%/164599942=	164046624=	100%/3424998	100%/24251894	0%231215359/2
		20	1.8%	10.06	09=0.89%	8=5.1%	=4.4%
		20 20	197519.9304x1 00%/164599942	29772308.5/ 5413147=5.	351025.3715x1 00%/39574445	7687850.6516x 100%/24251894	280256.421x100 %/26439285/2=2
		20	=0.12%	5413147 <u>-</u> 3.	=8.87%	8=3.17%	.12%
5	Uniso	20	2159269.1088x	884166000/1	7189707.1998x	3227085.2328	25444467.7875x
4	n	16	100%/19558597	47360000=0	100%/3559260	x100%/6377638	100%/22617304
	SAC		=11.04%	.6	99= 2.02%	8= 5.06%	7/2= 22.5%
	CO	20	19958506x100	176832000/1	4271113.188x1	447253988.72x	3660459.741x10
	Societ	17	%/200588000=9	47360000=1	00%/35592609	100%/34457164	0%/51555771/2=
	y Ltd	20	.95%	.2	9= 1.2%	= 12.98%	14.2%
		20 18	265991.8778x1 00%/2259914=1	1045122596. 7/11651310	1608652.2679x 100%/7213687	2296518.9x100 %/17151000=	2776278.26835x 100%/51555771/
		10	1.77%	=8.97	3= 2.23%	13.39%	2= 10.77%
		20	549938.6896x1	114182838/1	7545516.9158x	1519578.6x100	10081556.0934x
		19	00%/7723858=7	1651310=9.	100%/7213687	%/17151000=	100%/27772881
			.12%	8%	3= 10.46%	8.86%	8/2= 7.26%
		20	4190670.9x100	348405840/1	1583313.3018x	1014033.5664x	881603.6841x10
		20	%/29367000=14	68312000=2	100%/4280625	100%/63775696	0%51555771/2=
			.27%	.07	14=0.37%	= 1.59%	3.42%

	ır 20	241659.6x100%	55929205.34	565711.5255x1	87002.825x100	395971.22785x
5 Ushi	16	/13278000=	/243170458	00%/34285547	%/1912150=4.5	%/2714921/2=29
Cou	nt	1.82%	= 0.23	= 1.65%	5%	.17%
у	20	1742073.6	462638662.6	605045x100%/	12782275.4628	274207.021x100
Farn	ne 17	x100%/1327800	4/42916388	10325000=	x100%/1657882	%/2714921/2=20
r		0= 13.12%	=10.78	5.86%	68=7.71%	.2%
SAC		2688414958.24	56649632.16	443975x100%1	637705.7904x1	8927924.0632x1
CO Soci	18	x100%/2777288	/42916388=	0325000= 4.3%	00%/3199728=1	00%/108348593/
y Lte	. —	18/9.68%	1.32	602622260.72x	9.93%	2=16.48%
y Lu	20	3536725.8906 x100%/5155577	2062616921/ 200254070=	100%/1962938	431003.3616x1 00%/3199728=1	803049.2361x10 0%/15281622/2
	19	1= 6.86%	10.3	96= 3.07%	3.47%	070/13201022/2
	20	5552556.5367x	42053354.7/	833138.7921x1	12449655.127x	6391137.7314x1
	20	100%/51555771	200254070=	00%/34285547	100%/14578050	00%/165788268
		= 10.77%	0.21	= 2.43%	5=8.54%	=7.71%
5 Unit	e 20	2597729.6012x	45319550.9/	3951253.0716x	175610.5515xx	1047100x100%/
6 d	16	100%/26346142	11053549=4	100%/1230919	100%/699365=2	7075000/2=29.6
Nati	-	=9.86%	.1	96=3.21%	5.11%	%
nasS		485290.525x	10958031.5/	549727.5x100%	141502.327067	98307125x100%
ACC O	17	100%/4485125=	1153477=9.	7075000=7.77	7x100%/925557	7075000/2
Soci	nt 20	10.82% 485290.525x10	5 1487439.56/	% 693350x100%7	17= 3.91%	=27.79% 72235007.0832x
y Lte		0% 1912150=14.	484508=3.0	075000=9.8%	14447014.1664 x100%/7075000	100%/68664516/
	. 10	55%	7	073000=9.870	=25.61%	2=21.04%
	20	1272275.4628x	327399224.7	1230634.467x1	1156762.25x10	813513.6772x10
	19	100%/16578826	7/125440316	00%/11086797	0%/7075000=16	0%/10456474/2=
		8=7.71%	= 2.61	=11.1%	.35%	15.56%
	20	637705.7904x1	266954112.2	1008898.527x1	16940136.78x1	87355.3845x100
	20	00%/3199728=1	/7214976=	00%/11086797	00%/80667318=	%/1546113/2=11
		9.93%	3.7	=9.1%	21%	.3%
5 Vihi	_	10109595.6x10	166516800/1	319761.556x10	442087200x100	142665874.225x
7 a	16	0%/999960 =10.11%	47360000=1 .13	0%/39574445= 8.08%	%/20952000=21	100%39574445/ 2 =7.21%
Cou	20	22599140x100	17122100/17	2260907.0406x	588808350x100	100323724.095x
Farn	-		1221000=0.	100%/3220665	%29367000	100323724.0938
	ne 17	1 %/7759914 =		100/0/3220003		
		%/2259914 = 10.0%	1	3=7.02%	=20.05%	
rsSA CCC		%/2259914 = 10.0% 16125327.26x1		3=7.02% 1829598.522x1	=20.05% 36876639.36x1	2 =6.23% 6768456.96x100
rsSA	20	10.0% 16125327.26x1	1	1829598.522x1		2 =6.23%
rsSA CCC	20 et 18	10.0% 16125327.26x1	1 210201876.3 6/194631367 =1.08	1829598.522x1	36876639.36x1	2 =6.23% 6768456.96x100
rsSA CCC Soci	20 20 18 1	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100	1 210201876.3 6/194631367 =1.08 33952652.72	1829598.522x1 00%/26439285 =6.92% 1899139.7687x	36876639.36x1 00%/36583992 =10.08 395107113.6x1	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100
rsSA CCC Soci	20 et 18	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2
rsSA CCC Soci	20 18 1 20 19	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12%	2 = 6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80%
rsSA CCC Soci	20 18 1 20 19	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x	2 = 6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10
rsSA CCC Soci	20 18 1 20 19	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2=
rsSA CCC Soci y Lto	20 18 20 19 20 20 20	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 %	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55%
rsSA CCC Soci	20 18 20 19 20 20 20	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x
rsSA CCC Soci y Lto	20 18 20 19 20 20 20 20 16	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 %	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55%
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC	20 18 1 20 19 20 20 20 16	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12.	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 =	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100%208451915
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO	20 18 20 19 20 20 16 t 20 17	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6.	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237=	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100%208451915 /2= 28.32% 4611452.4458x1 00%38364829/2
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 18 20 19 20 20 16 t 20 17	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100% 208451915 /2= 28.32% 4611452.4458x1 00% 38364829/2 = 24.04%
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO	20 18 20 19 20 20 16 t 20 17 et 1 20 20	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100%208451915 /2= 28.32% 4611452.4458x1 00%38364829/2 = 24.04% 4839723.17835x
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 18 20 19 20 20 16 t 20 17	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x 100%/35904101	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100%208451915 /2= 28.32% 4611452.4458x1 00%38364829/2 = 24.04% 4839723.17835x 100%/38364829/
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 20 18 1 20 19 20 20 16 t 20 17 18 1 20 18	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x 100%/35904101 = 8.26%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19 237=1.08	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95% 303.3127x100% /8741=3.47%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100% /29223 =0.71%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100%208451915 /2= 28.32% 4611452.4458x1 00%38364829/2 = 24.04% 4839723.17835x 100%/38364829/ 2=25.23%
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 20 18 1 20 20 20 16 t 20 18 1 20 18 20 20 20 16 t 20 18 20 18 20 18	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2=6.2% 2965678.7426x 100%/35904101 = 8.26% 4523916.726x1	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19 237=1.08	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95% 303.3127x100% /8741=3.47%	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100% /29223 =0.71%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100% 208451915 /2= 28.32% 4611452.4458x1 00% 38364829/2 = 24.04% 4839723.17835x 100%/38364829/ 2=25.23% 9541885.5246x1
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 20 18 1 20 19 20 20 16 t 20 17 18 1 20 18	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x 100%/35904101 = 8.26% 4523916.726x1 00%/35904101=	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19 237=1.08	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95% 303.3127x100% /8741=3.47% 1458.5898x100 %/29586=4.93	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100% /29223 =0.71%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100% 208451915 /2= 28.32% 4611452.4458x1 00% 38364829/2 = 24.04% 4839723.17835x 100%/38364829/ 2=25.23% 9541885.5246x1 00%/170087086/
rsSA CCC Soci y Lto 5 Visie 8 n Poin SAC CO Soci	20 20 18 1 20 20 16 t 20 17 18 20 19	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x 100%/35904101 = 8.26% 4523916.726x1 00%/35904101= 12.6%	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19 237=1.08 98108.7/192 37=5.1	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95% 303.3127x100% /8741=3.47% 1458.5898x100 %/29586=4.93 %	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100% /29223 =0.71% 200.4348x100% /167029=0.12%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100% 208451915 /2= 28.32% 4611452.4458x1 00% 38364829/2 = 24.04% 4839723.17835x 100%/38364829/ 2=25.23% 9541885.5246x1 00%/170087086/ 2= 11.22%
rsSA CCC Soci y Lto 5 Visi 8 n Poin SAC CO Soci	20 20 18 1 20 20 20 16 t 20 18 1 20 18 20 20 20 16 t 20 18 20 18 20 18	10.0% 16125327.26x1 00%/1764259 =9.14% 23209712x100 %2901214 =8.00% 26184034.96x1 00%/3677533 =7.12% 1461177.9584x 100%/28635113 2=5.12% 17753770.184x 100%/28635113 2= 6.2% 2965678.7426x 100%/35904101 = 8.26% 4523916.726x1 00%/35904101=	1 210201876.3 6/194631367 =1.08 33952652.72 /242518948 =0.14 56911449.12 /293196557 =0.16 46911449.12 /137806=12. 2 881958.4/13 7,806.00=6. 4 20775.96/19 237=1.08	1829598.522x1 00%/26439285 =6.92% 1899139.7687x 100%/1955859 7=9.71% 1396948x100% 11651310=6.98 % 2735424.8x100 %/184,826 = 14.08% 782.3195x100% /8741=8.95% 303.3127x100% /8741=3.47% 1458.5898x100 %/29586=4.93	36876639.36x1 00%/36583992 =10.08 395107113.6x1 00%42877119 =8.12% 302721967.28x 100%49303252 =6.14 211.4984x100% /21813= 9.68% 1258.0998x100 %/19237= 6.54% 207.4833x100% /29223 =0.71%	2 =6.23% 6768456.96x100 % /26439285/2 =5.12% 46940632.8x100 %/19558597/2 =4.80% 265067.3025x10 0%/11651310/2= 4.55% 295168791.164x 100% 208451915 /2= 28.32% 4611452.4458x1 00% 38364829/2 = 24.04% 4839723.17835x 100%/38364829/ 2=25.23% 9541885.5246x1 00%/170087086/

5	Wake	20	133990065x100	967548638.1	740572800x100	16199352x100	7534995798x100
9	nya	16	%11651310	/293196557	%168312000	%/999960	%/342499809/2
	Pamoj	10	=11.5%	=3.3	=4.4%	=16.2%	=4.4%
	a	20	234703164x100	1018579581.	902646000x100	34576684.2x10	513712920.6x10
	SAC	17	%/19558597=12	6/242518948	%200588000	0%2259914	0%285396067/2
	CO	1 /	.0%	=4.2	=4.5%	=15.3%	=3.6%
	Societ	20	272324635.5x1	797988604.7	1086712187.3x	442643.761805	393066110.3x10
	y Ltd	18	00%/26439285	/194631367	1000/12187.3x	x100%/250895=	0%/231215359/2
	y Ltu	10	=10.3%	=4.1	59 =4.7%	1.764259	=3.4%
		20	679560378.3x1	907471300/1	151559155.1x1	50191002.2x10	321943740x100
		19	00%32206653	71221000	00%285396067	0%/2901214	%200588000/2
		17	=21.1%	=5.3	=5.3%	=17.3%	=3.21%
		20	126638224x100	604176000/1	1027499418x10	41188369.96x1	215439360x100
		20	%/39574445	47360000	0%342499809	00%/3677533	%168312000/2
		20	=3.2%	=4.1	=3.0%	=11.2%	=2.56%
6	Wipo	20	-3.2% 6235.991x100%	1467966.5/2	36442.703x100	2111.4984x100	-2.30% 8819.584x100%/
0	SAC	16	/201161=3.1%	25,841 = 6.5	%/174367=20.9	%/21813=	137,806.00/2=12
U	CO	10	/201101-3.170	25,641 – 0.5	%	9.68%	.8%
	Societ	20	261509.3x100%	1222352.35/	20052.205x100	2602350.08x10	7028.106x100%/
	y Ltd	17	/201161=11.3%	29915= 4.09	%/174367=11.5		
	y Liu	1 /	/201101=11.5%	29913= 4.09	%/1/430/=11.3 %	0%/184,826 = 14.08%	137,806.00/2=10 .2%
		20	925.3095x100%	29354/8387	972.9792x100%	740.3627x100%	8079.624x100%/
		18	/32467=2.85 %	=3.5	/26368=3.69%	/8741=14.8%	19237/2=5.9%
		20	3970.7141x100	=3.3 17612.7/838	20230x100%/2	567.915x100%/	19237/2=3.9% 567.4915x100%/
		19	%/32467=12.23	7=2.1	6368=7.7%	8741=8.47%	19237/2=5.9%
			%				
		20	915.3326x100%	42957.6/383	971.6733x100%	1458.5898x100	1920.8335x100
		20	/240877=0.38%	55=1.12	/206739=0.47%	%/29586=4.93	%/167,029.00/2=
						%	2.3%
6	Yetu	20	915.3326x100%	1471670519.	4901560.7536x	2457128.0976x	2077895.93875x
1	SAC	16	/29223=0.71%	9/208451915	100%/5127156	100%/27240888	100%25293925/
	CO			= 7.06	= 9.56%	= 9.02%	2= 19.6%
	Societ	20	145.314100%/8	73586010/49	444233.3367x	1778694.903x1	1641853.186x10
	y Ltd	17	073=1.8%	05734 == 15	100%/3242579	00%/14321215=	0%19986040/2=
					1=1.37%	12.42%	16.43%
		20	7700026.7791x	21585229.6/	433228.3128x1	1010636.9448x	1022294.75345x
		18	100%//3689519	4905734=4.	00%/18051179	100%/27240888	100%/15477589/
			3= 20.87%	4	7=0.24%	=3.71%	2= 13.21%
		20	15384913.725x	584296345.6	684184.1901x1	209784.3264x	55832827.44x10
		19	100%/18099898	7/38364829	00%/32425791	100%/2979891=	0%11012392/2=
			5/2= 8.5%	= 15.23	= 2.11%	7.04%	10.14%
		20	7221223.6557x	1734319932.	444233.3367x1	359374.8546x1	352017.88965x1
		20	100%/32425791	8/208451915	00%/32425791	00%/2979891=1	00%7796631/2=
			= 22.27%	= 8.32	=1.37%	2.06%	9.03%

Source: SASRA 2020

INFLATION RATE

2016	2017	2018	2019	2020
6.39	4.50	5.71	5.82	5.62

Source. KNBS 2022

APPENDIX IV

TARGET POPULATION

List of T Deposit Taking SACCOS in Kenya

TEACHER BASED SACCOS

- 1. Mwalimu National SACCOs
- 2. Trans National SACCOs
- 3. Breameg SACCOs
- 4. Marsabit Teacher SACCOs
- 5. Kwale Teacher SACCOs
- 6. Kitui Teacher SACCOs
- 7. Narok Teacher SACCOs
- 8. Elgon Teacher SACCOs
- 9. Egerton Teacher SACCOs
- 10. Baraton University Teacher SACCOs
- 11. Lamu Teacher SACCOs
- 12. Gusii Teecher SACCOs
- 13. Cosmopolitan Teacher SACCOs
- 14. Mentor Teacher SACCOs
- 15. Metropolitan National SACCOs
- 16. Imarisha Teacher SACCOs
- 17. Kaimosi Teacher SACCOs
- 18. Elimu Teacher SACCOs
- 19. Suba Teacher SACCOs
- 20. Fortune Teacher SACCOs
- 21. Imarika Teacher SACCOs
- 22. Jumuika Teacher SACCOs
- 23. Murata Teacher SACCOs
- 24. Rachuonyo Teacher SACCOs
- 25. Shirika Teacher SACCOs
- 26. ASili Teacher SACCOs
- 27. Bandari Teacher SACCOs
- 28. Bingwa Teacher SACCOs
- 29. Dhabiti Teacher SACCOs
- 30. Fariji Teacher SACCOs
- 31. Kimisitu SACCOs
- 32. Lontels SACCOs
- 33. Nacico Saccos
- 34. Dumisha SACCos
- 35. Time U SACCOs
- 36. Uchongaji SACCOs

GOVERNMENT BASED SACCOS

- 1. County SACCOs
- 2. Sheria SACCOs

- 3. Safaricom SACCOs
- 4. Kenya Police SACCOs
- 5. Harambee SACCOs
- 6. Airport SACCOs
- 7. Enea SACCOs
- 8. Mombasa Port SACCOs
- 9. Kenpipe SACCOs
- 10. United National SACCOs
- 11. Un SACCOs
- 12. Ushuru SACCOs
- 13. Stima SACCOs
- 14. Unison SACCOs
- 15. Baraka SACCOs
- 16. Kingdom SACCO
- 17. Hazina SACCOs
- 18. Kenversity SACCOs
- 19. Kenya Canner SACCOs
- 20. Kenya Highlands SACCOs
- 21. Kenya Midland SACCOs
- 22. Mwietheri SACCOs
- 23. Nanyuki Equator SACCOs
- 24. Nation SACCOs
- 25. Nawiri SACCOs
- 26. Nyati SACCOS
- 27. Nyala Vision SACCOs
- 28. Prime Time SACCOs
- 29. Puan SACCOs
- 30. Stake Kenya SACCOs
- 31. Southern Star SACCOs
- 32. Taifa SACCOS
- 33. Trains Counties
- 34. Trains-Elite County SACCOs
- 35. Vision Point SACCOs
- 36. Vision Africa SACCOs
- 37. Wananchi SACCOs
- 38. Tower SACCOs

FARMERS BASED SACCOS

- 1. Chai Farmer SACCOs
- 2. K-Unity Farmer SACCOs
- 3. Kolenge Tea SACCOs
- 4. Maisha Bora SACCOs
- 5. Koru SACCOs
- 6. Vihiga County Farmer SACCOs
- 7. Ukulima SACCOs
- 8. Wipo Teacher SACCOs
- 9. Unisa SACCOs
- 10. Tai SACCOs

- 11. Simba Chai SACCOs
- 12. Nandi Farmer SACCOs
- 13. Nafaka SACCOs
- 14. Torch SACCOs
- 15. Siraji SACCOS
- 16. Ollin SACCOs
- 17. Ardhi SACCOs
- 18. Acumen SACCOs
- 19. Biashara SACCOs
- 20. Breameg SACCOs
- 21. Chuna SACCOs
- 22. Daima SACCOs
- 23. Faridi SACCOs
- 24. Jamii SACCOs
- 25. Nandi Farmer SACCOs
- 26. Wanandege SACCOs
- 27. Mmh SACCO
- 28. Wevrsity SACCOs
- 29. Winas SACCOs
- 30. Wakulima Commercial SACCOs
- 31. Tembo SACCOs
- 32. Tenhos SACCOs
- 33. Sukari SACCOS
- 34. Supa SACCOs
- 35. Ndege SACCOs
- 36. Ndosha SACCOs
- 37. Ng'arisha SACCOs
- 38. Noble SACCOs
- 39. Nufaika SACCOs
- 40. Nyahururu Umoja SACCOs
- 41. Nyambene Arimi SACCOs
- 42. Nassefu SACCOs
- 43. Smart Champions SACCOs
- 44. Smart Life SACCOs
- 45. Solution SACCOs
- 46. Sotico SACCOs
- 47. Shoppers SACCOs
- 48. Mudete Tea Growers SACCOs
- 49. Mafanikio SACCOs
- 50. Magadi SACCOs
- 51. Kite SACCOs
- 52. Joinas SACCOs
- 53. Jitegembee SACCOs
- 54. Jacaranda SACCOs
- 55. Fundilima SACCOs
- 56. Centenary SACCOs

PRIVATE INSTITUTIONS BASED SACCOS

- 1. Mzima SACCOs
- 2. Kentours SACCOs
- 3. Afya SACCOs
- 4. Milki SACCOs
- 5. Kathera Rural SACCOs
- 6. IIkisonko SACCO
- 7. Konoin SACCOs
- 8. Kwetu SACCOs
- 9. Kmfri SACCOs
- 10. Lainisha SACCOs
- 11. Lengo SACCOs
- 12. Magereza SACCOs
- 13. Patnas SACCOs
- 14. Waumini SACCOs

COMMUNITY BASED SACCOs

- 1. Githunguri Dairy & Community SACCOs
- 2. Gastameco SACCOs
- 3. 2NK SACCOs
- 4. Kenya Bankers SACCOs
- 5. Good faith SACCOs
- 6. Fortude SACCOs
- 7. Wakenya Pamoja SACCOs
- 8. Muki SACCOs
- 9. Yetu SACCO
- 10. Mwito SACCOs
- 11. Capital SACCOs
- 12. Ukristo Na Ufanisi Wa Angelican SACCOs
- 13. IG SACCOs
- 14. Qwetu SACCOs
- 15. Skyline SACCOs
- 16. Dimkes SACCOs
- 17. Imenti SACCOs
- 18. Torch SACCOs
- 19. Wanaanga SACCOs
- 20. Taraji SACCOs
- 21. Ufanisi SACCOs

Source: SASRA 2020

APPENDIX V

SIMPLE SIZE

Deposit Taking SACCOS 2016-2020

TEACHER BASED SACCOS

- 1. Mwalimu National SACCOs
- 2. Trans National SACCOs
- 3. Baraton University Teacher SACCOs
- 4. Metropolitan National SACCOs
- 5. Imarisha Teacher SACCOs
- 6. Imarika Teacher SACCOs
- 7. Shirika Teacher SACCOs
- 8. Bandari Teacher SACCOs
- 9. Dhabiti Teacher SACCOs
- 10. Fariji Teacher SACCOs
- 11. Kimisitu SACCOs
- 12. Lontels SACCOs
- 13. Nacico Saccos

GOVERNMENT BASED SACCOS

- 1. Sheria SACCOs
- 2. Safaricom SACCOs
- 3. Kenya Police SACCOs
- 4. Harambee SACCOs
- 5. Airport SACCOs
- 6. Mombasa Port SACCOs
- 7. Kenpipe SACCOs
- 8. United National SACCOs
- 9. Un SACCOs
- 10. Ushuru SACCOs
- 11. Stima SACCOs
- 12. Unison SACCOs
- 13. Baraka SACCOs
- 14. Kingdom SACCO

FARMERS BASED SACCOS

- 1. Kolenge Tea SACCOs
- 2. Maisha Bora SACCOs
- 3. Koru SACCOs
- 4. Vihiga County Farmer SACCOs
- 5. Wipo Teacher SACCOs
- 6. Unisa SACCOs
- 7. Tai SACCOs
- 8. Simba Chai SACCOs
- 9. Nandi Farmer SACCOs
- 10. Nafaka SACCOs

- 11. Torch SACCOs
- 12. Siraji SACCOS
- 13. Ollin SACCOs
- 14. Ardhi SACCOs
- 15. Acumen SACCOs
- 16. Biashara SACCOs
- 17. Breameg SACCOs
- 18. Chuna SACCOs
- 19. Daima SACCOs
- 20. Faridi SACCOs
- 21. Jamii SACCOs

PRIVATE INSTITUTIONS BASED SACCOS

- 1. Mzima SACCOs
- 2. Kentours SACCOs
- 3. Afya SACCOs
- 4. Milki SACCOs
- 5. Kathera Rural SACCOs

COMMUNITY BASED SACCOS

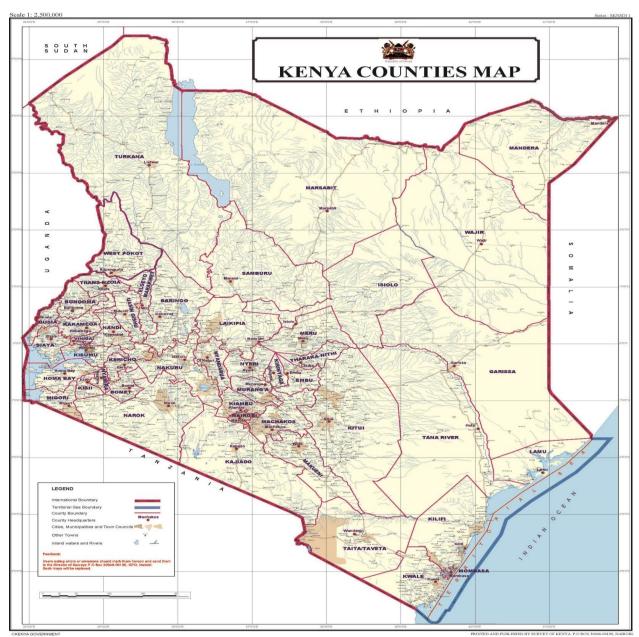
- 1. Good faith SACCOs
- 2. Fortude SACCOs
- 3. Wakenya Pamoja SACCOs
- 4. Muki SACCOs
- 5. Yetu SACCO
- 6. Mwito SACCOs
- 7. Capital SACCOs
- 8. Ukristo Na Ufanisi Wa Angelican SACCOs

Source: Researcher, 2020

APPENDIX VI

RSEARCH AREA

The Map of Kenya – Research Area



Resource: Researcher (2020)





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APPENDIX IX: PLAGIARISM REPORT