

**EFFECTIVENESS OF EXISTING POWER SUPPLY PROGRAMME
TO PEOPLES SETTLEMENT SCHEMES IN KENYA, A CASE
STUDY OF SLUMS IN NAIROBI.**

BY

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**The research project is submitted in partial fulfillment for the award of
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DECLARATION

I declare that this research project is based on my original work on the assessment of the effectiveness of the existing power supply programme to the peoples settlement schemes in Kenya basing my case study on the slums in Nairobi and that it has not been submitted for any academic awards.

Signature: -----

Date: 28/7/08-----

JOSEPH ODONGO OKETCH

L42/P/7253/06

This project has been submitted for examination with my Approval as University Supervisor

Signature: -----

Date: 30/7/08-----

Dr Robert M. Ayot

DEDICATION

I dedicate this research project to the Almighty God; the creator of the earth and the universe where human beings dwell and harness the various biotic and a biotic resources for their comfort and well being. To the God who gave mankind authority and dominion over all that dwell on earth, and the intelligence to find better ways day by day on how to improve their welfare, dignity and live their lives to the fullest. Grant us more success in our efforts to research and find better ways of doing things.

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The Kenya Power and Lighting Company Ltd: - My former employer; who for the last 15yrs has modeled me to appreciate giving the service of providing electrical power supply to the people of Kenya. It is through this that I was involved in power supply to the slums in Nairobi which gave me the research problem.

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ABSTRACT

This research project should be treated just as a starting point for further investigations into why many development projects aimed at improving the living conditions of the slum dwellers or peoples settlements fail in Kenya. The Mathare 4A and Kibera slums up-grading projects performed dismally due to similar pertinent problems. The peoples settlement electrification project has also had its share of hiccups due to the perennial misunderstanding between the various stakeholders arising from lack of proper information and participatory approach to the project implementation. The main project implementer; KPLC made serious negative assumptions concerning the populace of the peoples settlements which made them oppose the project from the on-set. The issues like use of load limiters made the residents feel the power they were being supplied with was of low quality and not enough for their usage so they continued to resort to the illegal supply from the slum cartels who are stealing power from KPLC. The cartels also capitalized on lack of proper information to the residents from the implementer so as to raise fighting mechanisms to bring the project down for their illegal trade to could continue thriving.

The research project also faced serious problems on obtaining information from KPLC staff, slum residents and other stakeholders due to suspicion and negative opinions already formed on the project or vested interests in the project. There following findings and recommendations came out strongly from the research data;

Speed of project implementation:

The implementation rate is too slow resulting in targeted customers resorting to illegal connections as a result of too long waiting periods. This has to improve through proper resource availability and coordination.

Pre-paid metering methods:

Most of the residents of the slums are in casual labour force; being paid per day or weekly, so accumulating their electricity consumption for a whole month make them feel it is expensive.

The power utility company should introduce daily power paying method like EDUs with even small unit purchases like with Ksh 20/=, the way mobile phone providers are doing. This will make the residents purchase their consumptions when they need and with proper balancing with other competing needs. This explains why even butcheries and shops in these areas have even measures for things like meat, cooking fat, unga just for single meal consumptions.

Proper stakeholder involvement:

The slum residents have little information about the projects and when they have the information it is piecemeal and liable to misinterpretation. The implementer should have thorough and friendly customer education so as to win the support of opinion leaders and other decision makers in the areas.

Connection charges/Fixed charges:

This makes customers in these areas feel electricity is expensive and so they resort to illegal connections. The provider should do away with these as they stand to gain through savings in revenue lost due to illegal connections.

The research further recommends wider coverage in the area of study to make the recommendations all inclusive.

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ABBREVIATIONS

- KPLC: The Kenya power and lighting company limited
- REP: Rural electrification programme
- REA: Rural electrification authority
- GOK: Government of Kenya
- SME: Small and medium enterprises
- RBU: Read board units
- ED: Electricity Dispensers (prepayment meters)
- CDU: Credit Dispensing Unit
- SMS: System Master Stations.
- CVS: Common Vending System
- ESKOM: Acronym for the Electricity Supply Commission of South Africa.
- N.G.O: Non Governmental Organization.
- Tx: Transformer
- HV: High Voltage
- LV: Low voltage
- S/Cable: Service line cable
- R.E.F: Rural Electrification Fund.
- E.D.U: Electricity Dispensing Unit
- KWh: Kilowatt hour (unit for measuring electrical energy consumed)
- SRN: Billing serial number for each customer also called customer account number.

CHAPTER ONE

Introduction

Background of the Study

This proposal is particularly intended to study the effectiveness of existing power supply programme to Peoples settlement schemes in Kenya. Peoples settlement schemes; previously known as slums, which are prevalent all over urban and peri-urban centers of the country mainly consist of low income, semi-permanent houses. They face many unique challenges of insecurity, lack of infra-structure including connection to electricity, sewerage system, water supply and accessibility (road networks). In addition, where there is electricity supply is characterized by high system losses due to rampant electricity theft through illegal connections and high incidences of electricity related accidents (fires and electrocution) due to poor premises wiring standards. In addition there is very low supply reliability due to overload as a result of un-projected load growths and vandalism.

There have been therefore many discussions recently regarding how best to address the matter of extending power to most of the residents of the people's settlement as they hold a big fraction of the Kenyan population which cannot be ignored in an attempt to take development and service to the people of Kenya.

Clifford Woody correctly states that research "involves defining and redefining problems, formulating hypothesis or suggested solutions, collecting, organizing and evaluating data, making deductions and reaching conclusions; and lastly carefully testing the conclusions to determine whether they fit the formulated hypothesis or suggested solutions". It is along these premise that the study will basically seek to establish whether the existing programme of extending power supply connections to the peoples settlements have been effective in the provision of safe and affordable electricity to these people in a way to start to improve the dignity, quality of life, security, health, education and employment prospects of these highly disadvantaged yet major segment of the Kenyan society.

The study will try to answer the following questions;

What percentage of the peoples settlements in Nairobi have been covered so far since the programme started?

Is the supplied electricity affordable to the populace of these settlements?

What is the net impact of the programme so far on the people's lives?

Are the beneficiaries supportive of the programme?

How has the programme impacted on the following?

- Commercial losses through electricity theft.
- Safety of users and other residents of the people's settlements.
- Technical losses attributable to system overloads and planning.

The methodology we intend to use in collection of data will include questionnaires and interview schedules to beneficiaries (users/customers already connected), residents not yet connected, KPLC officers involve in the programme and development groups working within the peoples settlements. Relevant data will also be collected from KPLC installations and records for analysis to ensure validity and reliability of the research outcome.

The study is expected to bring out clearly the specific gains made so far and to pin point major shortcomings which can be addressed to enhance the effectiveness and efficiency of power supply programmes to peoples settlement schemes in Kenya.

In the recent years, taking development to the people has been one of the most important commitments of the Government of Kenya to its people. Having power connection is not only an improvement to people's quality of life but is a gateway to many development activities of the people including job creation through encouraging Small and Medium Enterprises(SME). Most people who reside in peoples settlements lack employment opportunities and constitute a big percentage of the population; approximately 80% for Nairobi.

It is for this reason that The Kenya Power and Lighting Company Limited (KPLC), having been given a target of connecting additional 150,000(one hundred and fifty thousand) customers annually by the government, decided to focus on the peoples

settlements; with pilots programmes in Kibera, Mukuru, Kariobangi, Korogocho and Mathare; all in Nairobi.

Theft of electricity has been rampant in the peoples settlements through illegal connection to electricity done by cartels who tap un-metered power from KPLC and sell it to the residents at exorbitant fees fleecing both the residents as well as denying KPLC its much needed improved sales revenue.

The cartels also use their proceeds to support “mungiki” activities hence deteriorating the security situation in the settlements and the neighborhoods. There have been many cases of fires in the peoples settlements some of which have been attributed to unsafe connection to electricity and poor wiring standards of the premises. This has led to KPLC with the help of the government and other development partners teaming up to see the best way possible to enhance connection to safe and reliable electricity to residents of the peoples settlements. The necessity of this effort and the programme is covered in KPLC’S connection policy (2007).

STATEMENT OF THE PROBLEM

The purpose of the study is to assess whether the programme which is on-going in the pilot schemes of Kibera, Mathare, Kariobangi, Korogocho and Mukuru slums in Nairobi are effectively addressing the intended purposes and creating the desired impacts in the lives of the residents of the peoples settlements. The study will try to investigate any shortcomings and propose plausible remedial actions necessary to enhance the chances of success of the programme.

The study tends to put more emphasis on the contribution of power supply connections to the quality of life, creation of employment opportunities, improved security, improved safety and reduction of both commercial and technical losses as well as how enhancing the efficiency and effectiveness of the programme can yield more beneficial impacts to the peoples settlements.

The study will also highlight the society’s understanding and perception of the power supply programme to the peoples settlements in Kenya and how this can be improved so

as to enhance effectiveness and efficiency. The study will however try to balance the interest of all the stakeholders; KPLC, landlords, tenants, victims and beneficiaries of the programme. The research's basic understanding is that a problem clearly defined and understood is in its first stage of solution.

Research Objectives

Professor W. A. Neiswarger correctly states that the statement of the objective is of basic importance because it determines the data which are to be collected, the characteristics of the data which are relevant, relations which are to be explored, the choice of the techniques to be used in these explorations and the form of the final report.

This particular research project is intended to give limelight to KPLC managers, on what has been achieved and what needs to be achieved in line with the expectations of all the stakeholders. It will also try to bring out the attitudes of the various stakeholders to the programme and how these can be positively influenced through creation of awareness on the importance of the programme and what opportunities will be created for positive impacts on the lives of the residents of the peoples settlements if the programme is effectively and efficiently implemented.

The research is also intended to provide unbiased report on the programme impacts on the peoples settlements to all the stakeholders; KPLC, The Kenya Government and other development partners who are interested in improving the quality of lives of these venerable and remarkable members of the Kenyan society, by giving up to date much needed information on what their support has yielded and how much can be achieved in the near future.

The following are the specific objectives of this study:-

1. To establish whether the main objectives of the programme are being addressed and which particular activities are being carried in line with them.
2. To identify the problems which have been encountered and workable solutions acceptable to all the stakeholders.

3. To assess the responses and attitudes of the various stakeholders and develop how these can be captured in the programme so as to enhance effectiveness and efficiency of the programme.
4. To establish a roadmap to aid faster implementation of the programme.
5. To establish the significant changes the programme has created in the lives of the residents of the peoples settlements so far covered.

Research Questions

The following are some of the questions that the research will strive to answer:

1. What are the objectives and goals of the programme? And what are the main activities necessary to achieve the objectives?
2. What are the major successful activities so far achieved since the inception of the programme? And which are the main obstacles or challenges to programme implementation so far encountered?
3. What are the responses of the people who have benefited from the programme as well as those who have not benefited from the programme but are in the peoples settlements?
4. What are the lessons so far learnt and how can they be incorporated into the programme?
5. What is the most significant impact of the project on the lives of the residents of the peoples settlement schemes so far covered?

Significance of the Study

Once the study is completed, it will clearly bring out some of the activities necessary to propel the programme to greater success and facilitate faster roll out so as to address the issue of providing electricity connection to these very important segment of the Kenyan population. The study will thus assist in improving the quality of life of the residents of the peoples settlements in Kenya and enable KPLC improve their customer connectivity, reduce both commercial and technical losses, as well as enable the Kenya Government enhance the provision of essential services to these segment of the society.

The study will also be able to offer invaluable insight to KPLC, The Government and their development partners as to the attitudes of the society to the programme and how best to bring in the interest of all the stakeholders so as to have high programme effectiveness, efficiency and long term viability.

The study on the other hand will help create the much needed awareness to the society of the programme, its goals and objectives as well as how the residents of the peoples settlements will benefit if the programme is successfully implemented in all the peoples settlements in the country.

This is hoped to spearhead more involvement from development partners and the beneficiaries through financial and other necessary support.

Definition of Significant Terms

Universe/population: Complete set of individuals, cases or objections with some common observable characteristics.

Census: Complete enumeration of all the items in the population.

Sample: A subset of a particular population obtained from the accessible population which is representative of the entire population.

Target population: That population to which a researcher wants to generalize the results of the study

Subject/respondent/interviewee: Each member or case in the sample.

Sampling: Is the process of selecting a number of individuals for the study in such way that the individuals selected represent the large group from which they are selected.

Data: Refers to all the information a researcher gathers for his/her study.

Problem statement: Is a specific statement that clearly conveys the purpose of the research study.

Sampling frame: A list, directory or index of cases from which a sample can be selected for the study

Electricity Utility Company: the Company responsible for the sale of electricity in an area.

Organization of the study

The project study will be divided into five chapters; chapter one will cover introduction to the slums electrification project, statement of the research problem, research objectives, and research questions, significance of the study and definitions of significant terms to be used in the study.

Chapter Two will explore the slums electrification projects in Kenya and carry out comparisons with what is going on for similar projects in Indian and South Africa and finally develop a theoretical framework to be used in the research study.

Chapter Three will develop appropriate research methodology to be used in the research, define the research scope, and develop appropriate research design, define the target population, develop sampling techniques and finally come up with data collection procedures.

Chapter Four will deal with data presentations and analysis while chapter Five will finally come up with research conclusions and recommendations to be followed as well as any further research suggestions.

CHAPTER TWO

Literature Review

Defining Peoples Settlements

Definition of a peoples settlement or squatter settlement varies widely from country to country and depends on a variety of defining parameters. In general, it is considered as a residential area in an urban locality inhabited by the very poor who have no access to tenured land of their own, and hence "squat" on vacant land, either private or public. For the millions of poor in developing areas of the world, urban areas have always been a means for improving their quality of living and environment, besides getting better jobs and incomes. This, in contrast to deteriorating conditions in the rural areas has generated a considerable flow of migrants to cities, particularly in the last three decades. Priorities of urban migrants change over time, depending on various conditions that they find themselves. But one of the first dilemmas that they face and which persist for a long period is the question of an adequate house. With little resources, financial or otherwise, skills or access to them, the drastic option of illegally occupying a vacant piece of land to build a rudimentary shelter is the only one available to them.

The problem is further compounded by the apathy and even anti-apathy of various government agencies who view the "invasion" of urban areas by "the masses" and the development of squatter settlements as a social "evil" that has to be "eradicated". Such a confusing and knee-jerk reaction and attitude towards peoples settlements or squatter settlements has not helped the more basic question of "adequate housing for all". Qualifying definitions, characteristics, quality and examples of squatter settlements vary widely, with the inherent danger of generalization, but an attempt has been made to identify key features which are common to such areas and distinguish them.

Therefore a peoples settlement or a squatter settlement, can be defined as a residential area which has developed without legal claims to the land and/or permission from the concerned authorities to build; as a result of their illegal or semi-legal status, infrastructure and services are usually inadequate. There are essentially three defining

characteristics that helps us understand squatter settlement: the Physical, the Social and the legal with the reasons behind them being interrelated.

Physical Characteristics

A squatter settlement, due to its inherent "non-legal" status, has services and infrastructure below the "adequate" or minimum levels. Such services are both network and social infrastructure, like water supply, sanitation, electricity, roads and drainage; schools, health centres, market places etc.

Water supply, for example, to individual households may be absent, or a few public or community stand pipes may have been provided, using either the city networks, or a hand pump itself. Informal networks for the supply of water may also be in place. Similar arrangements may be made for electricity, drainage, toilet facilities etc. with little dependence on public authorities or formal channels.

Social Characteristics

Squatter settlement households belong to the lower income group, either working as wage labour or in various informal sector enterprises. On an average, most earn wages at or near the minimum wage level and mostly do part-time jobs. Squatters are predominantly migrants, either rural-urban or urban-urban. But many are also second or third generation squatters.

Legal Characteristics

The key characteristic that delineates a squatter settlement is its lack of ownership of the land parcel on which they have built their house. These could be vacant government or public land, or marginal land parcels like railway setbacks or "undesirable" marshy land. Thus when the land is not under "productive" use by the owner, it is appropriated by a squatter for building a house. It has to be noted here that in many parts of Asia, a land owner may "rent" out his land for a nominal fee to a family or families, with an informal or quasi-legal arrangement, which is not however valid under law.

In general, there are several attributes that act as generative forces and determine the quality and size of a settlement. Such attributes could be either internal to the settlement or external:

Table 1: Categorisation of attributes of peoples settlement as either internal or external

Internal Attributes	External Attributes
Religion/Ethnicity	Land owner
Work place	Tenure security
Place of origin	Municipal/city government policies
Language	Length of stay in city
Length of stay in settlement	
Investment in housing	
Construction activity	
Presence of renters	

Squatter settlements have been in existence from a long time, in the sense that an individual other than the land owner has built houses with or without the consent of the land owner. But they were not illegal "squatter" settlements as we define and categorize them today. The term "squatter settlement" is in fact a more recent western-initiated development, which came about by the writings of Charles Abrams and John Turner and particularly during and immediately after the Habitat Conference of 1976 in Vancouver, Canada.

This delineation of such informal or spontaneous settlements as "squatter" settlements represented a growing change in attitude from outright hostility to that of support and protection.

Abrams (1964) illustrates the process of squatting as a "conquest" of city areas for the purpose of shelter, defined both by the law of force and the force of law.

Turner (1969) takes a positive outlook and portrays squatter settlements as highly successful solutions to housing problems in urban areas of developing countries. Payne (1977) similarly puts the development of squatter settlements in the overall perspective of urban growth in the third world and its inevitability. A vast number of case studies at the Habitat Conference at Vancouver in 1976 highlighted the conditions in squatter

settlements, calling for a concerted and committed approach towards solving the problems.

The Squatter

A "squatter" (in The Concise Oxford Dictionary) is a person who settles on new especially public land without title; a person who takes unauthorized possession of unoccupied premises. Therefore, a residential area occupied by squatters becomes a squatter settlement or peoples settlement.

But the narrow generalization, especially of settlement type is evident: everything from a brick-and-concrete multistoried house to an "occupied" cardboard carton become "squatter settlements". The need is so much more necessary to understand such settlements so that a concerted action can be taken.

Squatter Settlement - Alternative Names

One common confusion regarding squatter settlements is its relation to the term "slum". Encyclopedia Britannica defines a slum as "...a residential areas that are physically and socially deteriorated and in which satisfactory family life is impossible. Bad housing is a major index of slum conditions.

By bad housing is meant dwellings that have inadequate light, air, toilet and bathing facilities; that are in bad repair, dump and improperly heated; that do not afford opportunity for family privacy; that are subject to fire hazard and that overcrowded the land, leaving no space for recreational use....." Therefore, while a slum settlement refers to the condition of a settlement, squatter settlement or peoples settlement would refer to the legal position of the settlement.

There are a number of names by which squatter settlement are described by various authors, which highlight the attitudes and approaches towards them, ranging from a positive to neutral to negative outlook. These are:

- Informal settlements
- Low-income settlements
- Semi-permanent settlements
- Shanty towns

- Spontaneous settlements
- Unauthorized settlements
- Unplanned settlements
- Uncontrolled settlements
- Slums

Some of the local/colloquial names for squatter settlements (often also used for peoples settlements)

Ranchos = Venezuela

Callampas, Campamentos = Chile

Favelas = Brazil

Barriadas = Peru

Villas Misarias = Argentina

Colonias Letarias = Mexico

Barong-Barong = Philippines

Kevettits = Burma

Gecekonu = Turkey

Bastee, Juggi-johmpri = India

The Development Process of a Squatter Settlement

The key question to be asked here is why do people squat? There are two reasons for this: one is internal to the squatter, and the other is external. Internal reasons include, lack of collateral assets; lack of savings and other financial assets; daily wage/low-income jobs (which in many cases are semi-permanent or temporary). External reasons include high cost of land and other housing services; apathy and anti-apathy on the part of the government to assist them; high "acceptable" building standards and rules and regulations; lopsided planning and zoning legislation.

These reasons leave no option for the low-income householder to squat on a vacant piece of land. The actual squatting is done either by a "slum lord" or simply a initial small group of core squatters. The slum lord appropriates a piece of vacant land, subdivides it and "sells" it to various households for the purpose of building a house.

Services like water-supply or electricity may be provided either by this person or by the organization of the squatters, usually at the community level.

The core group squatters are a small number of families who, almost overnight, occupy a piece of land and build a rudimentary and temporary shelter.

Later, depending on the degree of threat of eviction, this may be upgraded to a permanent and more families may join this group. There are two distinct processes involved in the formation of a settlement. One is the organic and induced processes. The organic process refers to the forces and pressures which are initiated from within the settlement and squatter. They evolve naturally, without any outside intervention and using internal resources of the family or settlement for development, such as labour, locally available materials etc. The induced process refers to the "inducement" set up by agencies and organizations which are external to the settlement. Operating with objectives and goals on a larger, city-wide scale, they initiate programmes and projects for the overall development of the settlement. Both these put together act on the growth of a squatter settlement, through a series of consolidative stages of development.

These stages are conclusive in their outcome, in the sense that they represent a continuum with one stage or process overlapping and even running parallel to each other. They are also cumulative in their effects and not exclusive.

Approaches towards a Squatter Settlement

Considering the magnitude and scale of the housing deficit and the lack of concerted action or inadequate response of government agencies, there is no doubt of the positive role that squatter housing plays in housing the millions of poor families.

The main question of land ownership and over utilized infrastructure and services will, however, always remain unanswered. Successive generations of governments have recognized this and a number of approaches have been adopted in finding a solution to the dilemma of squatting. The two popular approaches used by the public authorities have been settlement up-gradation and sites-and-services. Settlement up-gradation has been an option where a compromise has been reached by the land owner and on a sharing basis, the squatter has been allowed to continue on the land parcel, but with a significant up-

gradation of the settlement's infrastructure and services, including, in some cases, land leases or ownerships.

Where such land compromises or sharing has not been possible, the squatters have been relocated to another location, where varying levels of "sites"-and-"services" have been provided, with, again land lease or ownership. Land sharing is an approach which has brought about considerable settlement improvement by the initiative of the people themselves.

The squatter, after having organized themselves into a viable organization, have initiated negotiations with the land owner and have "shared" the land, giving the prime locations of the land (for example, the side facing a road) to the owner and using the remaining for their housing, but in a more organized and improved manner. The role of non-governmental and voluntary organizations has to be emphasized in this respect, in mobilization of the people into an organization, in training and educating them, in forming a link with the authorities, and in various other catalytic ways.

As a complement to this, the participation of the community of squatters, in improving the quality of their settlement is also an important resource that has to be tapped for improvement.

Commonly, community credit programmes, for example, are used as a rallying point for bringing the squatters not only because money itself is important, but also because of the externalities that it can generate.

Future Role of Squatter Settlements in Urban Housing

Squatter settlements in urban areas are inevitable phenomena. As long as urban areas offer economies of scale and agglomeration economies, large cities will always continue to grow attracting migrants from rural and smaller urban areas, leading to more squatting.

There is no universal "quick-fix" solution that can solve all the problems of squatting in all parts of the developing world. Considering the inevitability of squatting, the need is primarily for a change in attitude towards squatting, squatters and squatter settlements.

One such approach that has been receiving considerable attention from various government and public authorities has been the "enabling" approach, where instead of

taking a confrontationist attitude, governments have strived to create an enabling environment, under which people, using and generating their own resources, could find unique local solutions for their housing and shelter problems.

Electricity Supply to Peoples Settlements

It is evident that the peoples settlements or squatter settlements need basic facilities and infrastructure like roads, sewerage, health facilities and electricity connection despite their poor housing conditions.

Kenyan Situation

In Kenya this is the responsibility of The Kenya Power and Lighting Company Limited which is a state corporation charged with the responsibility of transmitting, distributing and selling electrical energy to customers (consumers) throughout Kenya and at the moment enjoys monopoly in the business.

It is to be in line with both its vision and mission, and the social cooperate responsibility that KPLC has made several endervours to take electricity supply to all parts of the country including the peoples settlements despite the many constraints and challenges.

The Kenya government as the major shareholder in KPLC has been supportive in the struggle to make electricity connection reach as many people as possible.

This has been done through Rural electrification Programme (REP) as well as individual/group customer connection initiatives.

The power supply to peoples settlements has been in the past left to individual/group initiatives as most of the peoples settlements are located next to areas well supplied by electricity as well as areas not initially categorized as rural.

The Energy act 2006 which became operational in year 2007 recognized the challenges in supplying electricity to the peoples settlements and opened up for them to benefit from The Kenya Government / Development partners funding through Rural Electrification Programme(REP).

The Kenya power and lighting company as the sole distributor of electrical energy in the country also ignored the peoples settlements in the past as an avenue to increase its sales and connectivity growth.

The connections in the peoples settlements was therefore left to the beneficiaries themselves and middlemen who came in to capitalize on the existing gap to make unwarranted benefits by exploiting the potential customers. The few customers who had connection also resorted to selling supply to their neighbours at higher rates or charging the neighbours fees to allow them have their electricity meters from KPLC installed at their service lines.

The extended connections in these settlements resulted in over-distanced, under-protected and poor workmanship in the supply lines in the peoples settlements with serious and negative effects on safety and standards of supplies to the residences. The desperate residents resorted to using unconventional methods to get connected to electrical supply with most of the supplies being un-metered and wrong wiring methods used to distribute the illegal supply extensive throughout most of the peoples settlements. The uncontrolled sales and distribution of electricity awaken KPLC and the authorities as the theft of electricity reached unacceptable levels in these settlements as well as high incidences of fires, electrocution and general insecurity. KPLC resorted to sweep operation in the peoples settlements with the help of the administration and security forces to disconnect the illegal connections. The act which always encountered resistance and lack of co-operation from the residents of the peoples settlements as well as the cartels who were engaged or beneficiaries of the proceeds of the illegal connections/sales. It therefore became apparent that alternative electricity supply had to be provided to the residences of the peoples settlements so as to fight the illegal connections and unsafely distributed electrical supplies.

Cost of wiring the premises compared to the cost of the structures as well as the monthly rents paid was another challenge and who to bare the burden of wiring the premises. This became a tug of war between the tenants and the land lords.

Another challenge was the connection of the customers and how to meter each one of them as the structures are always in blocks sub-divided into 10ft by 10ft dwelling units. The blocks are also so squeezed with very limited space to construct the distribution lines more so that the blocks are not arranged in any order. Apart from the infrastructure

problems of taking power to these settlements, individual connections have been a serious challenge and have evolve through the following;

Isolated service cable for each applicant

In the beginning every customer who wanted power did their own wiring and put up their meter boards from where KPLC terminated their service cable. This led to so many service cables all over the settlements which were extremely difficult to disconnect incase of emergency.

It also encouraged massive power thefts through the numerous avenues for illegal connections and customers abandoning their meters with outstanding bills and applying for new ones.

There was no order at all in supplying the customers who were scattered all over the peoples settlements and applying for power connections.

Central metering cubicles

The second attempt was to use central metering ground mounted cubicles where each customer requiring power could be metered from. The cubicles were to be supplied with cables of adequate capacity to take care of projected future connections.

This failed as some residents were still puncturing either the main cables to the metering cubicles hence having un-metered power or puncturing the metered customer cables between the cubicles and the premises hence giving the customers unrealistically higher billings than their consumptions. Security and ownership of the metering cubicle was another problem.

Individual blocks having their central meter boards

The next attempt to solve the supply problem to the peoples settlements was through central metering for the various blocks from where each household in the block could have their meter and get supplied.

This failed as the cost of power connection was high and the landlords did not see the need to have power connected as the rents are controlled and they could not recoup their power connection costs from monthly rents. Some customers in the blocks also did not consider power connection a priority as they had no stable jobs to sustain even their very

basic needs. Power theft was still rampant through illegal looping from the block meter boards by neighbouring blocks that had no connections yet.

Pole metering with load limiters

This was an improvement of the block metering so as to be more illegal connection proof. Load limiter boxes were installed at the power poles from where each block had their service cables connected via load limiters to regulated consumptions as each connected customer was to pay a monthly estimated flat rate of Ksh 300/= for their consumption. The arrangement reduced drastically the illegal power connections but did not satisfy the customers as most of them complained of inadequate power and too much limitation on their power usage. Most of the peoples' settlement dwellers also found lump sum monthly bill payment un-affordable as they always live from hand to mouth incomes. The cost of wiring the premises was also still an issue because of the capital investment involved.

This led KPLC to introduce the Ready Board Unit for easy connection to the customers who were ready for supply but found cost of wiring their units prohibitive.

This is the current practice that is aimed to fasten power connections to the peoples settlement schemes in Kenya.

With the various improvements so far made and the Government's commitment to take development to its people as well as KPLC's realization that it can only achieve its target of connecting additional 150,000 customers annually through improvement of power connection to the peoples settlements. This study therefore is to look at the effectiveness of the approach being currently emphasized and come up with realistic findings from the ground of what has been so far achieved? , what needs to be done to enhance the progress? How to make the information be clearly understood by all stakeholders more so beneficiaries? And to use the research recommendations and findings to negotiate for more funding for the project from donor agencies and development partners.

Indian Situation: 1999 Indian Express Newspapers (Bombay Ltd)

In 1995, The UT (United Transmission) Administration; which is the body charged with transmission and distribution of electric power in Indian decided to provide power

connection to residents of the slums; referred to as labour colonies. Despite the efforts since then, power theft through illegal connections known as “kundis” continues unabated. In fact, the kundis can be seen in almost all the labour colonies. For that matter even security personnel on guard duty in the heart of the city resort to “kundis” to easily meet their electricity needs.

In that year, a survey carried out by the UT Administration listed 30,000 persons to be provided with electricity connection in the labour colonies. This number is growing at an approximate rate of 10% annually and was re-estimated at 50,000 in April 1999.

In this year a separate electricity Sub-division was created for providing power to the rehabilitated colonies and slums.

According to the officials supervising the operation, 14,000 persons were issued connection; a maximum of 6,000 power connections were issued in colony No. 5, followed by 1,500 each in Palsora colony, Kumhar colony, Janata colony and Nehru colony, and 1,000 each in colony No. 4 and Babu Dham colony.

The supervising officials expressed apprehension regarding the successful implementation of the scheme as “colony residents are habitual power thieves”.

The cross-section of labour colony residents whom Chadigarh News line spoke to were not keen about coming forward for connections as this meant paying for electricity.

Power theft through kundis has led to frequent breakdowns and tripping of the transformer. The worst affected areas are sectors 42, 44, 45, 25 and phase 1 and 2 of industrial area where production in the industries is affected adversely.

Despite several public interest litigations (PILS) filed in the Punjab and Haryana High courts over the past years, there is no let up on electricity theft, officials claim that the process of electrification is on course but when it will be completed is uncertain.

South African situation

In South African electricity is supplied by The Electricity Supply Commission, still known by its Afrikaans acronym, Eskom; which is the most important South African government owned enterprise. It proudly claims to be one of the New South Africa’s success stories, having provided electricity to more than 300,000 new households each

year. Yet many ten of thousands cannot afford the full cost recovery policy (meaning that each consumer must pay the full cost of electricity they use without subsidies). The policy also means cutting off those who cannot afford to pay promptly for their consumed electricity. This has sparked several controversies and virtually all black South Africans were denied Eskom's services until the early 1980's due to apartheid racism. As a result of this, the black South African townships were perpetually filthy due to soot from coal and wood burnings.

Prior to 1988, Eskom supplied electricity mainly to large customers like mines and municipalities only. Although Eskom was at that stage already one of the largest electricity generating companies in the world, they had about 120,000 customers and all of them were on billed accounts.

In 1988, Eskom developed the "electricity for all" concept intended to supply electricity directly to the larger masses of domestic customers that did not have access to electricity at that stage. Some of the problems it had to overcome included the following:

Bringing many customers on bode meant many more staff to manage the networks which was not financially viable as increasing cost of electricity was going to mean many more people could not afford it.

Many of the areas where potential customers resided had almost no infrastructure.

There were no fixed addresses for customers, as they did not have permanent jobs or bank accounts and there were no postal services in those areas. All these are requirements for a billed system to operate effectively.

Many customers were illiterate and did not understand (or have the budget) to pay for fixed charges or bills that arrive only after the electricity has been consumed.

To address this and other problems, Eskom started the development of the basic prepayment system currently still in use.

This system consists of:

- 1) Prepayment meters (also called Electricity Dispensers or EDs).
- 2) Vending machines where the customers can purchase electricity credit, known as Credit Dispensing Units(CDUs)

- 3) Data concentrators that manage the CDUs and collected transaction data from the CDUs also called System Master Stations or SMSs.

This meant specification from the South African Bureau of Standards had to be developed for electricity dispensers and the vending system in conjunction with the manufacturers. To enable the new vending system to transfer credit to all types of meters it was also necessary to develop a standard transfer medium and protocol to the meters. For offline vending, a token is purchased from the vending machine of CDU, taken home by the customer and entered into the ED.

If the token is valid, the ED accepts the token and adds the credit (amount of units in Kwh) to the credit currently in the ED. The customer is then free to consume electricity until the credit recorded in the ED runs out, at which the ED interrupts the electricity supply.

For normal conventional meters, the function of Technical Support, Maintenance, Revenue collection and Management can to a large extent be operated autonomously. It is however important to recognize that, prepayment is not simply about the meter itself and requires an integrated systems approach.

The need for effective and available sales points as well as proper sales management systems (made up of both manual person based as well as computer equipment based components) should not be underestimated.

The approach although has meant a lot of capital investment has led to Eskom rolling out electricity connection to many customers annually including those in the peoples settlements or the Ghettos as they are called in South Africa.

From the Kenya, the South African and the Indian scenes; it is evident that electricity supply programme to the peoples settlements needs more researched and consolidated approach so as to yield the desired effects and to achieve wider coverage with the available resources.

It is for this reason that this research project will use the below theoretical frameworks to dig up the necessary information,so as to access what has been achieved in Kenya and to

find any areas which needs strengthening to improve the programme's effectiveness and efficiency.

THEORETICAL FRAMEWORK FOR THE RESEARCH

Residents of the peoples settlements need a special approach in electricity connections

As most of the residents of peoples settlements are squatters, have no permanent addresses, no fixed monthly incomes and lack supportive infrastructure like roads, it becomes necessary to provide them with electricity connection programme tailored to fit their situation in the following ways;

Suitable billing methods which will enable the customers get power supply continually through a soft payment mode.

Suitable means of getting their bills and convenient pay points.

Development of appropriate distribution network to fit into the slums infrastructure.

Customer education program to enable the slum residents appreciate the project and adapt it.

In order to capture pertinent details for the study, we intend to use the following source of data:-

Primary data

Customers: - Both already connected and potential customers in the peoples settlements.

KPLC staff: - Staffs of KPLC who have been involved and are still involve in the implementation of the project.

Other stakeholders in the plight of the residents of the peoples settlements.

Secondary Data

KPLC records: - connection data for the peoples settlements and power loss improvement data for these areas settlements before and since the project started.

Police records: - Records of fires and crimes in the peoples settlements before and since the project started.

Administrative records: - Records from the provincial administration on the peoples settlements.

Data collection Techniques

Interviews: - Face to face interviews with the residents of the peoples settlements, KPLC staffs, police officers and area administrators.

Questionnaires: - Questionnaires for the beneficiaries, residents of the peoples settlements not yet connected, KPLC staffs involved in the project, area administrators and area security personnel.

Desk search: - The major tool for collecting the secondary data will be desk searching from KPLC meter installation records, service line installation records and power line extension records for the peoples settlements.

Data analysis:-

All the data collected will be recorded and then analyzed in form of groups, pie charts, bar graph, tables etc. Authority will be sought from the relevant authorities for the use of any restricted materials by explaining the purpose of the study and confidential information will be treated as so.

CHAPTER THREE

Methodology of the Study

Methodology is a way to systematically solve the research problem which involves studying the various steps that are generally necessary in tackling the research problem along with the logic behind them. It involves deciding which techniques and procedures are applicable to the research problem at hand, what they mean and indicate, why use them and any assumptions underlying the various techniques. The following questions must thus be answered in the research methodology:

1. Why the research study is being undertaken?
2. How the research problem has been defined?
3. What data are to be collected during the research?
4. What research method to adopt?
5. What particular data analysis techniques are to be used and why?
6. How the to interpret the results?

This particular research study is being undertaken to find out the state of affairs as it is at present in the Nairobi slums electrification project. It aims to report on what has been done or what is happening, what resources have been used, what areas have been covered and what problems do exist in the implementation of the programme .It therefore intends to use facts or information already available and analyze these to make critical evaluation of the programme so as to answer questions like, how long has the scheme taken to covered areas already covered, Is the roll out rate satisfactory and what are the teething problems? And what can be done to overcome them?

It therefore follows that data has to be collected on the number of customers already connected in the programme, resources so far used, time taken to cover the already covered areas and reaction from the programme implementers, beneficiaries and other stakeholders on their perception of the programme. The research is therefore going to follow descriptive, analytical and applied research approach to meet its main objectives.

The research methods to be used will be those that will aid in linking the available data and the unknown aspects of the problems in the suggested possible solutions.

The research method must thus encompass the data collection techniques, statistical techniques to be used in establishing relationships between the data and the unknowns and evaluation of the results obtained so as to draw appropriate conclusions as well as workable recommendations .The research method will use Quantitative approach so as to generate data for the peoples settlements which can be subjected to rigorous quantitative analysis in a formal and rigid fashion which can then be used in inferential approach by generalizing for other peoples settlements in Kenya .The Qualitative approach will be concerned with subjective assessment of opinions and behaviour as well as perception of the beneficiaries, project implementers, donors and other stakeholders. As Clifford Woody rightful put it, “ Research involves defining and redefining problems, formulating hypothesis or suggested solutions, collecting, organizing and evaluating data, making deductions and reaching conclusions, and lastly testing the conclusions to determine whether they fit the formulated hypothesis or suggested solutions”.

Research Scope and Design

The function of the research design is to provide for the collection of relevant evidence with minimal expenditure of effort, time and money. It is a plan that specifies the source and types of information relevant to the research problem and outlines the strategy which will be used for gathering and analyzing the collected data within the available time and budget. The following factors must thus be considered in preparing the research design:

1. What is the study about?
2. Where will the study be carried out?
3. What type of data is required?
4. Where can the required data be found?
5. What will be the sample design?
6. The skills of the researcher and his assistants
7. The time available for the research
8. The cost factor relating to the research

9. The way in which the selected means will be organized and the reasoning leading to the selection
10. The population to be studied

This study is to evaluate the effectiveness of the existing power supply connection programme to peoples settlement schemes in Kenya with case study of the slums in Nairobi. It can therefore be clearly defined that the study will be carried out in Kibera, Mathare valley, Kariobangi, Korogocho and Mukuru slums and the data needed will pertain to the population of these slums, those already connected to power supply through the programme, duration the programme has been in place, what is required to roll out the programme to cover all the targeted beneficiaries, the impact of the programme on the lives of the beneficiaries, perception of the slum residents to the programme, difficulties in the programme implementation and the resources so far used in the implementation. The data so required will be available from secondary sources in the records of the implementers and donors as well as primary sources to be gathered from the field through interviews of the beneficiaries, implementers and other stakeholders as well as field observation of the situation on the ground.

So as to be used to generalize for other peoples settlements in Kenya, the coverage of the case study groups will be done to the depth that only time and resources will be the limiting factors.

Target Population

After agreeing on the areas to be categorized as peoples settlements or slums, KPLC got population data for the various slums from Central Bureau of Statistics based on the last national census. The population of the slums in Kenya therefore is the focus of the study but with a case study of Nairobi slums. The results will be used to generalize for all the slums in Kenya.

The table below therefore shows the various slums and their populations from where the research can derive its target population.

Table 2- Electrifiable population of major peoples settlement schemes in Kenya.
(Result of Survey by KPLC Marketing; June 2006)

People Settlement	Expected Electrifiable Population	Name of Region
Kibera	300,000	Nairobi
Mathare Valley	75,000	Nairobi
Korogcho	50,000	Nairobi
Kariobangi	50,000	Nairobi
Mukuru	25,000	Nairobi
Nyarenda	75,000	Kisumu
Nyawita	50,000	Kisumu
Muthata	25,000	Kisumu
Kaptembwa	70,000	Nakuru
Kwa Roda	30,000	Nakuru
Kiandutu	100,000	Thika
Kiawara	45,000	Nyeri
Majengo	35,000	Nyeri
Total	930,000	

As the research is based on a case study of the slums in Nairobi, the target population will thus include the electrifiable population of Kibera, Mathare valley, Korogochu, Kariobangi and Mukuru slums which is approximately 500,000 as per statistics of KPLC marketing section of June 2006.

Sampling Techniques

As getting all the necessary data from the population of around 500,000 of the electrifiable residents of the slums in Nairobi is not possible within the available time and cost, it is therefore practical to come up with a sample design. This is a definite plan for obtaining a sample from the given population such that their characteristics will be representative of the entire population.

Since the slums electrification project in Nairobi were divided into faces with defined number of beneficiaries for the various slums, non probability sampling will be employed with the various schemes used as the units.

Sample Size

Because the target population is more than 10,000 and this is a social science research, the formula below and assumptions/recommendation by Fisher et al will be applied;

$$N = Z^2 pq / d^2$$

Where N = the desired sample size

Z = the standard normal deviation at required confidence level

P = the proportion of the target population estimated to have characteristics being measured

$$q = 1 - p$$

d = the level of statistical significant set.

Assumptions

As there are no estimates available of the proportion of the target population assumed to have the characteristics of interest, 50% will be used.

Setting standard normal deviation at confidence limit of 1.96

Setting desired accuracy at 0.05

Then the appropriate sample size is;

$$N = (1.96)^2 (0.5) (0.5) / (0.05)^2$$

$$= 384$$

This will be the sample size of the residents of the Nairobi slums from which necessary data will be collected from.

Note

- i. The staffs of KPLC involved in the project are estimated to be 30 in number and as many of these as possible will be involved in the data gathering.
- ii. The same will apply to the administrators in the slums of Nairobi who are estimated at 15, security officers in- charge of the slums in Nairobi estimated

at 10 and heads of NGOs and community groups operating in Nairobi slums estimated at 20.

Sampling Procedure

The research project intends to cover the following subgroups in the slums electrification project in Nairobi;

1. Customers who have been connected to electricity in the slums areas of Nairobi through the programme initiative.
2. Customers who have applied for electricity connection through the initiative but are yet to be connected.
3. Potential customers in the slums of Nairobi who have not applied for electricity connection in the slums of Nairobi.
4. Administrators in the slums of Nairobi.
5. Leaders of NGOs and community groups operating in the slums of Nairobi.
6. KPLC staffs involved in the implementation of the slums electrification project in Nairobi.

The first three subgroups are from the same population and hence stratified sampling method will be used to obtain the required sample sizes from the various clusters of the slums in Nairobi. That is Mathare valley, Kibera, Kariobangi, Korogocho, and Mukuru will form the clusters while customers already connected, customers who have applied and potential customers will form the various strata from the clusters above.

Sampling Frames

The list of customer SRN/account numbers for the various clusters will form the sampling frame for the customers already connected to electricity from which random samples will be drawn.

Pending connection customer application numbers for the various clusters will be used as sampling frames for the next stratum.

The customers who have not applied for electricity in the various clusters will be randomly selected through market surveys and the necessary data obtained from them.

From the calculated sample size of approximately 400, the various strata will be allocated sample figures as per cluster strengths.

Typical sample frames

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the reasearch.

Table 3: Customers already connected in Mukuru Fuata Nyayo
(KPLC Metering records 2008)

NO	DATE	LANDLORD	SRN	TELEPHONE	DOOR NO	CONNECTION
1	17/09/2007	ONYANGO JULIUS GWAYI	2611263	0720260344	1	DOMESTIC
2	17/09/2007	NDERITU ROBERT GITAU	2611590	0722450361	1	COMMERCIAL
3	17/09/2007	NJOGU EVANSON WAMBUI	2611626	0722286541	1	COMMERCIAL
4	18/09/2007	MAUNDU STEPHEN KILONZO	2611890	0736707529	1	DOMESTIC
5	18/09/2007	MAUNDU STEPHEN KILONZO	2611892	0736707529	1	DOMESTIC
6	18/09/2007	MAUNDU STEPHEN KILONZO	2611893	0736707529	1	DOMESTIC
7	18/09/2007	KISOI JOSEPH MWANGANGI	2611897	0721510583	1	COMMERCIAL
8	18/09/2007	NYANCHERA WILLIAM NYABUTO	2612133	0733960381	1	COMMERCIAL
9	19/09/2007	OCHARI GEORGE MORARA	2612494	0727250247	1	DOMESTIC
10	19/09/2007	OGAKA ALFRED OBUGA	2612202	0726339710	1	COMMERCIAL
11	19/09/2007	NGUMWA ESTHER MWKAU	2612206	0722640389	1	COMMERCIAL
12	19/09/2007	OWINO ROSEMARY AUMA	2612319	0724244975	1	COMMERCIAL
13	20/09/2007	MUKOMA EVANSON WAITHIRA	2612517	0722457154	1	COMMERCIAL
14	20/09/2007	KIVULUSA ARKWRIGHT MULILI	2612562	0727858897	1	COMMERCIAL
15	20/09/2007	KIVULUSA ARKWRIGHT MULILI	2612658	0727858892	1	COMMERCIAL
16	20/09/2007	MUTHUKA JAMES NGEWA	2612787	0720704294	1	COMMERCIAL
17	20/09/2007	MUTHUKA JAMES NGEWA	2612785	0720704294	1	COMMERCIAL
18	20/09/2007	ESHINKA COSMAN BWEYA	2613697	0721378614	1	DOMESTIC
19	20/09/2007	MICHAEL PETER HASAYA	2612710	0710492049	1	COMMERCIAL
20	20/09/2007	WANGARURO PETER KARIUKI	2612720	0724081567	1	COMMERCIAL
21	21/09/2007	NYAMBURA MARY	2612860	0724344114	1	DOMESTIC
22	21/09/2007	JACKSON MUSAU KINYURU	2612897	0729413266	1	COMMERCIAL
23	21/09/2007	KIILU DAVID MUTIE	2612943	0725994145	1	COMMERCIAL
24	21/09/2007	MUENDO FESTUS MUASYA	2613003	0723796469	1	COMMERCIAL
25	24/09/2007	MUTUA JACINTA MUTUNGWA	2613266	0735787555	1	COMMERCIAL
26	24/09/2007	ONG'ANGO JULIUS COWAY	2613365	0720260344	1	COMMERCIAL

27	24/09/2007	WAMBUI EVANSON NJOGU	2613147	0722286541	1	COMMERCIAL
28	24/09/2007	WAMBUI EVANSON NJOGU	2613145	0722803860	1	COMMERCIAL
29	24/09/2007	NGWELE JOHN KASENGE	2613138	0722217288	1	DOMESTIC
30	24/09/2007	NGWELE JOHN KASENGE	2613140	0722217288	1	COMMERCIAL
31	25/09/2007	GERALD WATHUTA NDERUI	2613526	0722385653	1	COMMERCIAL
32	25/09/2007	NJOGU FRANCIS MUIRURI	2613687	0721704121	1	COMMERCIAL
33	25/09/2007	ANNAH MWANGI MUTHONI	2613814	0720076676	1	DOMESTIC
34	25/09/2007	WACHERA SIMON KERACHU	2613866	0722463800	1	COMMERCIAL
35	25/09/2007	WACHERA SIMON KERACHU	2613863	0722463800	1	COMMERCIAL
36	25/09/2007	WACHERA SIMON KERACHU	2613862	0722463800	1	COMMERCIAL
37	25/09/2007	MUIGAI JOSEPH NJOROGE	2613987	0722369384	1	COMMERCIAL
38	25/09/2007	MUIGAI JOSEPH NJOROGE	2613985	0722369384	1	COMMERCIAL
39	25/09/2007	OHIENG JOHN ODUORI	2614004	0722261531	1	COMMERCIAL
40	25/09/2007	MESHACK ACHERO	2614041	0721880792	1	COMMERCIAL
41	25/09/2007	WERU ZACHARY THIGA	2614039	0722102995	1	COMMERCIAL
42	26/09/2007	KATIKU JOSEPHAT NZAU	2614117	0722720070	1	COMMERCIAL
43	26/09/2007	MANNA GEORGE	2614263	0722716456	1	COMMERCIAL
44	26/09/2007	JARED NYAKUNDI OGINDA	2614289	0722283230	1	COMMERCIAL
45	26/09/2007	NDAMBUKI BONIFACE MUNYAO	2614313	0723944860	1	COMMERCIAL
46	26/09/2007	JOHN ODUOR OCHIENG	2614413	0722266531	1	COMMERCIAL
47	26/09/2007	MBETHE JAMES MWANGI	2614506	0720734264	1	COMMERCIAL
48	26/09/2007	ANNE WANJIKU WANJIRA	2614299	0720359669	1	COMMERCIAL
49	27/09/2007	KARIUKI ELIZABETH WANGEI	2614875	0721515775	1	COMMERCIAL
50	27/09/2007	KAVIVYA KYALE MUNYALO	2614886	0720393315	1	COMMERCIAL
51	27/09/2007	TOMBO KENNEDY BWARE	2615021	0721848686	1	COMMERCIAL
52	27/09/2007	MBITI GEORGE WAMBUA	2615059	0723412926	1	COMMERCIAL
53	27/09/2007	MUTHOKA DEDAN MWENDO	2615090	0724990306	1	COMMERCIAL
54	27/09/2007	MUTHAMA ONESMUS MUTUKU	2615095	0721780696	1	COMMERCIAL
55	27/09/2007	MUTHAMA ONESMUS MUTUKU	2615094	0721780696	1	COMMERCIAL
56	27/09/2007	MAINA AGNES WANJIKU	2615108	0726176866	1	COMMERCIAL
57	27/09/2007	CHARLES ASUMA BOSIRE	2615154	0721411663	1	COMMERCIAL
58	27/09/2007	KATIKU JOSEPHAT NZAU	2615176	0722720070	1	COMMERCIAL
59	27/09/2007	WAWERU PATRICK MBUGUA	2615209	0722423463	1	COMMERCIAL
60	27/09/2007	KAHIU DAISY WACHARU	2615226	0722890141	1	COMMERCIAL
61	27/09/2007	KABATHA ELIAS NJAGI	2615232	0720809687	1	COMMERCIAL
62	27/09/2007	WANJIRA JOSEPH NGIGE	2615242	0734321433	1	COMMERCIAL
63	27/09/2007	DAVID KUTIKU KIVUNDO	2615269	0724777215	1	COMMERCIAL
64	27/09/2007	BENJAMIN SALOMEN MBI THE	2615312	0726963215	1	COMMERCIAL
65	27/09/2007	NDUNGU JOHN BAPTIST	2615441	0721629488	1	COMMERCIAL

66	27/09/2007	MALUKI DAVID KYALO	2615473	0733897988	1	COMMERCIAL
67	27/09/2007	GITURI SAMUEL NGIGI	2615540	0725811773	1	COMMERCIAL
68	27/09/2007	THOMAS OMBUI MOSES	2616150	0725832791	1	DOMESTIC
69	28/09/2007	MUNYARARE RICHARD KANYORA	2615616	072124452	1	COMMERCIAL
70	28/09/2007	MUNGAI MARY NYAMBURA	2615631	0724344114	1	COMMERCIAL
71	28/09/2007	KANYIRA SAMUEL GITONGA	2615777	0723700971	1	COMMERCIAL
72	28/09/2007	WAWERU PETER WACHIRA	2615798	0724892423	1	COMMERCIAL
73	28/09/2007	WAWERU PETER WACHIRA	2615793	0724892423	1	COMMERCIAL
74	28/09/2007	NDWATI MARGRET WAMBUI	2615812	0722444958	1	COMMERCIAL
75	28/09/2007	PENNINAH VILITA MBITA	2615818	0725169142	1	COMMERCIAL
76	28/09/2007	MAUNDU STEPHEN KILONZO	2615854	073641370	1	COMMERCIAL
77	28/09/2007	LUTTA MARY ABONYO	2615861	0722266531	1	COMMERCIAL
78	28/09/2007	MUTUKLAU CLEOPHAS OBULINGI	2615868	0726635078	1	COMMERCIAL
79	28/09/2007	ZACHARY ITHIGA WERU	2615874	0722102995	1	COMMERCIAL
80	28/09/2007	MUTIA FLORENCE WANZA	2615900	0728831126	1	DOMESTIC
81	28/09/2007	MUTIA FLORENCE WANZA	2615902	0728831126	1	DOMESTIC
82	28/09/2007	MUTIA FLORENCE WANZA	2615905	0728831126	1	DOMESTIC
83	28/09/2007	MUTIA FLORENCE WANZA	2615906	0728831126	1	DOMESTIC
84	28/09/2007	MUTIA FLORENCE WANZA	2615910	0728831126	1	DOMESTIC
85	28/09/2007	MUTIA FLORENCE WANZA	2615914	0728831126	1	DOMESTIC
86	28/09/2007	MARUBE DAVID SOMU	2616012	0728831126	1	DOMESTIC
87	28/09/2007	MARUBE DAVID SOMU	2616013	0725416914	1	DOMESTIC
88	28/09/2007	WANGA ANJELINE AWINO	2616039	0725416914	1	COMMERCIAL
89	28/09/2007	MURENGEI BONIFACE TITO	2616048	0721876346	1	COMMERCIAL
90	28/09/2007	KATIKU JOSEPHAT NZAU	2616054	0722987665	1	COMMERCIAL
91	28/09/2007	KATIKU JOSEPHAT NZAU	2616051	0722720070	1	COMMERCIAL
92	28/09/2007	KIOKO SUSAN NDUKU	2616107	072687005	1	COMMERCIAL
93	28/09/2007	MUTINDA BONIFACE MBITH	2616124	0724101244	1	COMMERCIAL
94	28/09/2007	MBOCHI OMBUI MOSES	2616135	0720448287	1	COMMERCIAL
95	28/09/2007	THOMAS OMBUI MOSES	2616150	0725832791	1	DOMESTIC
96	28/09/2007	WAITATHU JOSEPH MAINA	2616160	0720671241	1	COMMERCIAL
97	28/09/2007	MIKURU RICHARD ANYWAK	2612362	0727250247	1	COMMERCIAL
98	1/10/2007	ORWODHI LUMUMA KENNETH	2616588	0735292474	1	COMMERCIAL
99	1/10/2007	MUYUTE PAUL OBARE	2616594	0720868641	1	COMMERCIAL
100	1/10/2007	BERNARD KARIUKI MATHERI	2616624	0721308652	1	COMMERCIAL
101	1/10/2007	NJANGIRU ALICE WANJERI	2616635	0722957727	1	COMMERCIAL
102	1/10/2007	RICHARD OCHIENG OCHUODHO	2616656	290811	1	COMMERCIAL
103	1/10/2007	FREDRICK MBUVI MUTINDA	2617143	0728562176	1	COMMERCIAL
104	1/10/2007	ONYANGO JOSEPH OLUOCH	2616728	0724886445	1	DOMESTIC

105	1/10/2007	RUMUS KINISU BUYAYI	2616764	0723444772	1	COMMERCIAL
106	1/10/2007	ORWODHI LUMUMA KENNETH	2616826	0725292474	1	COMMERCIAL
107	1/10/2007	MASESE KENNEDY NYABUTU	2616889	0722358660	1	COMMERCIAL
108	1/10/2007	MASESE KENNEDY NYABUTU	2616887	0722358660	2	COMMERCIAL
109	1/10/2007	JULIUS OMBATI NYAMENYA	2616907	0727125096	1	COMMERCIAL
110	1/10/2007	MBAE JAMES MWITI	2616920	0721898355	1	COMMERCIAL
111	1/10/2007	NELSON MAKUMI GATUNDU	2616931	0721324277	1	COMMERCIAL
112	1/10/2007	KATIKU JOSEPHAT NZAU	2616960	0734127480	1	COMMERCIAL
113	1/10/2007	MUSAU BONIFACE MUTISYA	2616964	0720846007	1	COMMERCIAL
114	1/10/2007	DAVID KILONZO	2616971	0720964826	1	COMMERCIAL
115	2/10/2007	OCHUODHO RICHARD OCHIENG	2617149	0724162053	1	DOMESTIC
116	2/10/2007	OCHUODHO RICHARD OCHIENG	2617150	0724162053	2	DOMESTIC
117	2/10/2007	MAILU DANSON MUTUKU	2617180	0720460325	1	COMMERCIAL
118	2/10/2007	WAMBUI EVANSON NJOGU	2617187	0722286541	1	COMMERCIAL
119	2/10/2007	WAMBUI EVANSON NJOGU	2617184	0722286541	1	COMMERCIAL
120	2/10/2007	GATHURU KENNEDY MAINGI	2617193	0726958992	1	DOMESTIC
121	2/10/2007	KENNEDY AGUMBA OCHIENG	2617211	0723325992	1	DOMESTIC
122	2/10/2007	KENNEDY AGUMBA OCHIENG	2617210	0724723987	1	DOMESTIC
123	2/10/2007	KENNEDY AGUMBA OCHIENG	2617208	0727584828	1	DOMESTIC
124	2/10/2007	KINGOO WAMBUA	2617262	0720563492	1	COMMERCIAL
125	2/10/2007	PETER MUVIKU NGOVI	2617275	0727637207	1	COMMERCIAL
126	2/10/2007	KAMUTU ROBERT MWANGI	2617312	0720501017	1	DOMESTIC
127	2/10/2007	KAMUTU ROBERT MWANGI	2617313	0720501017	1	DOMESTIC
128	2/10/2007	WANJIKU ROSIEDA	2617328	0725937237	1	COMMERCIAL
129	2/10/2007	NDUTI MUTUA NDONYE	2617339	0722316464	1	COMMERCIAL
130	2/10/2007	MWANGI MACHARIA	2617349	0721229946	1	COMMERCIAL
131	2/10/2007	MWANGI MACHARIA	2617350	0721229946	1	COMMERCIAL
132	2/10/2007	MBITHI MICHAEL THATHI	2617382	0734565586	1	COMMERCIAL
133	2/10/2007	MUGO JOHN GITHAIGA	2617426	0723284941	1	COMMERCIAL
134	2/10/2007	PATRICK NDETTO KATUMO	2617459	0725483774	1	COMMERCIAL
135	3/10/2007	GEORGE WACHIRA MUTAHI	2617581	0733523088	1	COMMERCIAL
136	3/10/2007	EVANSON KARIUKI	2617608		1	COMMERCIAL
137	3/10/2007	JOSEPH GATHIRIA	2617623	0724759366	1	COMMERCIAL
138	3/10/2007	MURITHI CHARAGU KARIUKI	2617632	0724571749	1	COMMERCIAL
139	3/10/2007	RAPHAEL NDUNGO WAMBUA	2617639	0720875870	1	DOMESTIC
140	3/10/2007	RAPHAEL NDUNGO WAMBUA	2617614	0720875870	1	DOMESTIC
141	3/10/2007	RAPHAEL NDUNGO WAMBUA	2617638	0720875870	1	DOMESTIC
142	3/10/2007	RAPHAEL NDUNGO WAMBUA	2617640	0720875870	1	DOMESTIC
143	3/10/2007		2617678	0722377821		
144	3/10/2007		2617680	0722469925		

145	3/10/2007		2617681				
146	3/10/2007		2617682	0721244582			
147	3/10/2007		2617684				
148	3/10/2007	OCHIENG KENNEDY AGUMBA	2617722	0724388470	1	COMMERCIAL	
149	3/10/2007	MWANZA EVA KANINI	2617735	0722704848	1	COMMERCIAL	
150	3/10/2007	AVOGA EVANS KIBWO	2617772	0727394943	1	COMMERCIAL	
151	3/10/2007	MBOKU MONICAH KAREGA	2617935	0722389786	1	COMMERCIAL	
152	3/10/2007	OGUTU JOSEPH GIBIYA	2617944	0722335963	1	COMMERCIAL	
153	3/10/2007	KINYATI SAMMY MUETI	2617964	0720476142	1	COMMERCIAL	
154	3/10/2007	ROBERT GITAU NDERITU	2617994	0722450361	1	COMMERCIAL	
155	3/10/2007	NGUTA NGEI	2618036	0723844129	1	COMMERCIAL	
156	3/10/2007	SEBASTIAN MATHEKA MULINGE	2618059	0735584366	1	COMMERCIAL	
157	3/10/2007	MAGISISI NASHON OMBEKA	2618028	0721403278	1	COMMERCIAL	
158	4/10/2007	KAMAU DANIEL MWANGI	2618312	0720337140	1	COMMERCIAL	
159	4/10/2007	KAMAU DANIEL MWANGI	2618531	0720337140	1	COMMERCIAL	
160	4/10/2007	OKUKU ELYIS OTIENO	2618314	0725667048	1	COMMERCIAL	
161	4/10/2007	WEISKO LANCIS NYANNYANCHA	2618567	0721453085	1	COMMERCIAL	
162	4/10/2007	GEOFREY KAMARIRI KAREITHI	2618827	0721428912	1	COMMERCIAL	
163	4/10/2007	JOSEPH MAINA WAITATHU	2618836	0720671241	1	COMMERCIAL	
164	4/10/2007	KYULE SEBASTIAN MUTINDA	2618975	0721403030	1	COMMERCIAL	
165	5/10/2007	MWILU PETER MUENDO	2619076	0723778391	1	COMMERCIAL	
166	5/10/2007	KINYANZWII BENARD MUSEMBI	2619186	0736453016	1	COMMERCIAL	
167	5/10/2007	KAHWAI MARTHA WANGUI	2619195	0736453463	1	COMMERCIAL	
168	5/10/2007	BANDA LIZZY ACHIENG	2619230	0726688314	1	COMMERCIAL	
169	5/10/2007	NICHOLAS MWANZIA NZIOKA	2619249	0724428294	1	DOMESTIC	
170	8/10/2007	KENNEDY MAINGI GATHURU	2619605	0726958992	1	DOMESTIC	
171	8/10/2007	DIANA ALIVITSA	2619627	0720061160	1	COMMERCIAL	
172	8/10/2007	WAWERU PETER WACHIRA	2619662	0724892423	1	COMMERCIAL	
173	8/10/2007	KYULE FORTUNETUS MUINDI	2619759	0724117179	1	COMMERCIAL	
174	8/10/2007	MULWA CHARLES MWENDWA	2620122	0721476855	1	DOMESTIC	
175	8/10/2007	MULWA CHARLES MWENDWA	2620127	0734752125	2	DOMESTIC	
176	8/10/2007	MULWA CHARLES MWENDWA	2620131	0734752125	3	DOMESTIC	
177	8/10/2007	MULWA CHARLES MWENDWA	2620123	0723794163	4	DOMESTIC	
178	8/10/2007	MULWA CHARLES MWENDWA	2620125	0721476855	5	DOMESTIC	
179	8/10/2007	KIZITO OYUGI NYANJONG	2619996	0721887447	1	COMMERCIAL	
180	8/10/2007	ERICK OSORO ABOKI	2620091	07220709152	1	DOMESTIC	
181	8/10/2007	ERICK OSORO ABOKI	2620095	0720652614	1	DOMESTIC	
182	8/10/2007	ERICK OSORO ABOKI	2620096	0733742247	1	COMMERCIAL	

183	8/10/2007	ERICK OSORO ABOKI	2620098	0723694455	1	DOMESTIC
184	8/10/2007	ERICK OSORO ABOKI	2620101		1	DOMESTIC
185	9/10/2007	PHYLLIS KANYIVA WASUA	2620206	0734448650	1	COMMERCIAL
186	9/10/2007	MALUKI DAVID KYALO	2620268	0733897988	1	COMMERCIAL
187	9/10/2007	WANGA VICTOR SANYA	2620278	0720805206	1	COMMERCIAL
188	9/10/2007	ODHIAMBO ENOS OMONDI	2620308	0723955866	1	COMMERCIAL
189	9/10/2007	ODEWA ANDREW ONYANGO	2620326	0720291283	1	COMMERCIAL
190	9/10/2007	MUTIA MAUNDU	2620400	0722928648	1	COMMERCIAL
191	9/10/2007	MUKITI BONIFACE MAINGI	2617122	0721995644	1	COMMERCIAL
192	11/10/2007	NTUNYA SAITOTI OLE	2620972	0723354234	1	DOMESTIC
193	11/10/2007	NTUNYA SAITOTI OLE	2620978	0723354234	2	DOMESTIC
194	11/10/2007	NTUNYA SAITOTI OLE	2620975	0723354234	3	DOMESTIC
195	11/10/2007	NTUNYA SAITOTI OLE	2620971	0723354234	4	DOMESTIC
196	11/10/2007	NTUNYA SAITOTI OLE	2620969	0723354234	5	DOMESTIC
197	11/10/2007	NTUNYA SAITOTI OLE	2620973	0723354234	6	DOMESTIC
198	11/10/2007	NTUNYA SAITOTI OLE	2620963	0723354234	7	DOMESTIC
199	11/10/2007	WILLIAM NDOLO	2621076	0725830867	1	COMMERCIAL
200	11/10/2007	KANIA NTHINGA MARK	2621261	0720371522	1	COMMERCIAL
201	15/10/2007	SAMUEL MARGRET WANGUI	2622255	0720357391	1	COMMERCIAL
202	15/10/2007	BISENGI JACOB OMWANDA	2622263	0724141633	1	COMMERCIAL
203	15/10/2007	FRANCIS GATHIMA NGEENE	2621866	0729932484	1	COMMERCIAL
204	16/10/2007	NGANGA SAMUEL NGUGI	2622817	0727824162	1	COMMERCIAL
205	16/10/2007	NGEENE FRANCIS W.GATHIMA	2621866	0729932484	1	COMMERCIAL
206	16/10/2007	MAGATI ZEBEDEO CHARLES	2623118	0710745281	1	COMMERCIAL
207	17/10/2007	OKINDA CICILIA NEKESA	2623469	0720201174	1	DOMESTIC
208	17/10/2007	FRANCIS KELLEN MURUNGI	2623638	0724717034	1	COMMERCIAL
209	17/10/2007	SIMEON ROPELLA NYAPOLA	2623773	0724059840	1	COMMERCIAL
210	19/10/2007	DAVID ONCHIRI MOSE	2625107	0721541077	1	DOMESTIC
211	19/10/2007	MBUGUA ZACHARIA MOGEKE	2625113	0721237157	1	COMMERCIAL
212	19/10/2007	WILLY RODAH MUNYIVA	2625181	072632545	1	COMMERCIAL
213	19/10/2007	KIMATU SIMON WAMBUA	2625189	0725776574	1	COMMERCIAL
214	19/10/2007	AMOS MAKENZI KIKOVI	2625291	0724830020	1	COMMERCIAL
215	22/10/2007	VICKY ROBAI MUGABE	2625605	0720281080	1	DOMESTIC
216	23/10/2007	SIMIYU TIMOTHY WABWIRE	2625922	0721937971	1	DOMESTIC
217	23/10/2007	KIDULA RONALD KAMADI	2626005	0721515910	1	COMMERCIAL
218	24/10/2007	BONIFACE MUTUNGA MULE	2626685	0725504709	1	COMMERCIAL
219	24/10/2007	ASILIA MABWA ISAYA	2626690	0722687273	1	COMMERCIAL
220	24/10/2007	IRERI GODFREY KARIUKI	2626868	0723878385	1	COMMERCIAL
221	26/10/2007	KABERE MARY NYAMBURA	2627732	0720442323	1	COMMERCIAL
222	26/10/2007	OKUKU ELYIS OTIENO	2627957	0725667048	1	COMMERCIAL
223	26/10/2007	MATHENGE MOSES KENNETH	2627961	0721580085	1	COMMERCIAL

224	30/10/2007	PETER KINGOO NYAMAI	2628834	0724411719	1	COMMERCIAL
225	30/10/2008	JOSHUA MUTUNGA MUNYALO	2628926	0723872820	1	COMMERCIAL
226	30/10/2009	MUTUNGA JAMES MUTUA	2629413	0725412575	1	COMMERCIAL
227	31/10/2007	KENYA ZEBADEE RIOGICANCIO	2629794	0721252616	1	COMMERCIAL
228	6/11/2007	ANDRIAH JOHN	2631810	0720762433	1	COMMERCIAL
229	6/11/2007	KIMARU MARY WAMBUI	2632052	0725535214	1	COMMERCIAL
230	9/11/2007	KABATHA ELIAS NJAGI	2633593	0720809987	1	COMMERCIAL
231	12/11/2007	KIDULA RONALD KAMADI	2634082	0721515910	1	COMMERCIAL
232	23/11/2007	ANGIMA PAUL OSIEMO	2640149	0722731243	1	COMMERCIAL
233	23/11/2007	NYASENDA STEPHEN ODHIAMBO	2640148	0721771989	1	COMMERCIAL
234	23/11/2007	MULINGE MICHAEL KIITO	2640176	0720913755	1	COMMERCIAL
235	28/11/2007	MAINA BENSON KURIA	2641922	0721434737	1	COMMERCIAL
236	18/12/2007	JOSEPH OSEWE ABIYA	2650559	0721520660	1	COMMERCIAL
237	18/12/2007	JOSEPH OSEWE ABIYA	2650562	0721520660	1	DOMESTIC
238	20/12/2007	KAARI MERCY MIRITI	2651662	0727935782	1	COMMERCIAL

Data Collection

There are several methods of data collection but the following will be the guiding factors in selecting which method befits the study at hand;

Nature, scope and object of inquiry: The method selected should be such that it suits the type of inquiry that is to be conducted and whether to use already available data or collect fresh data from the study units.

Availability of Funds: Finance in practice is a big constraint and the researcher has to act within this limitation.

Time factor: Some methods take relatively more time than others and thus the time at the disposal of the study team will determine which method is most appropriate.

Precision required: The various methods have different level of precision and thus the one chosen must meet the desired accuracy level.

The required data can also be sourced from available records (secondary data) or collected directly from the study units (primary data).

The research team must thus evaluate and decide which of the two sources to use so as to save on time without compromising the quality or authenticity of the research outcome.

Secondary Data

These refer to data which is already available and is relevant to the research. These kinds of data must be thoroughly scrutinized to ensure Reliability, Suitability and Adequacy to the research study. Reliability can be tested by finding out who collected the data? What were the sources of data? Were they collected using proper methods? At what time were they collected? Was there any bias of the compiler? What level of accuracy was desired? And was it achieved. Suitability of the data involves thorough scrutiny of the various definitions of terms and units used at the time of collecting data from the primary sources, the object, scope and nature of the original inquiry while Adequacy of the data refers to the content and level of accuracy of the information for the intended study.

In this study, necessary records from KPLC existing data will be relied upon and analyzed so as to be used in the research study.

Customer connection records, power supply design records, marketing forecast records, meter installation records. Incidence records and power consumption records will be vital to the study.

Primary Data

This is the kind of data which is obtained directly from the study units and are necessary for the research at hand. These kinds of data must be collected using the most accurate, logical and systematic scientific methods so as to ensure reliability, suitability, adequacy and authenticity.

Data pertaining to the perception of the various stakeholders, impact on the lives of the residences of the peoples settlements and pertinent issues to the programme will best be obtained directly from the study units through observation, interviews, questionnaires and schedules.

Development of Research Instruments

Questionnaires

This will be used for obtaining data from mainly KPLC staffs who are involved in the programme implementation, administrators and leaders of NGOs or community service

centres in the various Nairobi slums. This is because these groups are literate and can read and give appropriate answers in the questionnaires.

To capture all the pertinent issues and give the respondents a chance to give their inputs, the first set of questions will be structured while the next set will be unstructured.

The questionnaires will be self administered. The research assistants will deliver the questionnaires and collect them back after agreed duration to allow the respondent time to fill their views without interference.

Interviews

This will be used to gather data from the residents of the slums in Nairobi. This is because some of them may not be literate and tracing them to collect back the filled questionnaires might be an uphill task. So a face to face administration of a questionnaire or interview schedule will be used.

Format

The same questionnaires format will be used but this time administered face to face and the interviewer fills in the answers from the interviewees.

Note

The interviewers will be trained if objective and reliable information is to be maintained. They will also be required to practice interviewing and receiving constructive feedback until their performance becomes standardized and reaches the desired objectivity and reliability.

Observation Method

This data collection method will be used to acquire unbiased report on the situation on the ground floor of the programme. The research team will visit the concerned peoples settlements, use scientific method to observe and record occurrences on the Nairobi slum electrification programme.

This method will help to obtain the information on what is currently happening and which is independent of neither the respondents' willingness to respond nor their cooperation in the research.

This will be a structured observation process which will include the following details;

1. What should be observed?
2. How the observation should be recorded?
3. How the accuracy of the observation should be ensured?
4. How the observations will be analyzed and reported on?

For areas already covered by electricity connection in the Nairobi slums the following data will be required;

1. Number of families connected to electricity supply.
2. What Small and medium business enterprises do exist?
3. Number of people employed by the SMEs.
4. Operating times of the businesses connected to electricity supply.
5. For areas not yet covered by the slum electrification programme;
6. Number of families not connected to electricity.
7. What substitutes for electricity supply are they using?
8. What SMEs do exist in these areas?
9. What are the operating times of these SMEs?

Data Collection Techniques

Secondary Data

The following existing data is necessary to kick off the research study;

List of areas Categorized as peoples settlements (slums): In order to later make generalization of the study to other peoples settlement schemes in Kenya, it is appropriate to begin the study by collecting data available on these settlement schemes. These data can be readily available from the town planning department at the ministry of Local government as per which areas are to be considered as slums in the various urban centers. The data on the population of these areas categorized as slums can also be found from the ministry of Planning statistics department: report on the last census (Refer to Table No 2 as compiled by KPLC Marketing section)

Design statistics for the various slums in Nairobi: In order to measure the effectiveness of the programme in Nairobi slums, records of the various projections for the Nairobi slums should be obtained from the Design offices (Ref to Table 10).

Expenditure projections for the various Nairobi slum projects: This is going to help in the financial projection for the peoples settlement schemes in Kenya. This data will be obtained from Cooperate planning department of KPLC (Ref to Table 10).

Construction statistics for the various Nairobi slum Projects: The implementation status of these projects can be found from the various depot construction records. This is vital in accessing the implementation rates and unearthing bottlenecks if any (Ref to Tables 3 - 9).

Customer connectivity records for the Nairobi slums: Marketing records are vital in providing the number of customers who have been connected to power supply in the various Nairobi slums (Ref to Tables 3 - 9).

The above data are very necessary in the research project but must be subjected to thorough scrutiny as Dr. A. L. Bowley very aptly observes that it is never safe to take published statistics at their face value without knowing their meaning and limitations as it is always necessary to criticize arguments that can be based on them.

Primary Data

The following primary data are necessary to achieve the research objectives and possibly make inferences to other peoples settlements in Kenya;

1. Economic and social activities taking place in the slum areas already covered by the slum electrification programme in comparison to the slum areas not yet covered.
2. Residents and other stakeholders' perception of the programme.
3. Actual ground coverage of the programme since inception.

CHAPTER FOUR

Data presentation

Secondary Data

Customers already connected in the various peoples settlements

Note:

The following tables 3 -9 will be used in the research study to provide data on the progress of the connections in the slum areas all ready covered by the project and also to offer comparison to the areas yet to be covered. The tables mostly have telephone contacts for the customers and will be used to contact them during the interviews as well.

(1) Mukuru Fuata Nyayo Slums: Ref. Table 3

(2) Mukuru Kayaba

Table 4: KPLC Marketing Report January 2008

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	DATE	LANDLORD	SRN	TELEPHONE	CONNECTION
1	09/05/2007	MUTHIGA EZEKIEL WACHIRA	2606190	0720466152	COMMERCIAL
2	09/05/2007	MUTHIGA EZEKIEL WACHIRA	2606185	0720466152	DOMESTIC
3	09/05/2007	JOSEPH WARAGU GICHUKI	2606225	072045152	COMMERCIAL
4	09/05/2007	PETER NGUGI KAROKO	2606296	0721602051	DOMESTIC
5	09/05/2007	PETER NGUGI KAROKO	2606539	0721602051	DOMESTIC
6	09/05/2007	PETER NGUGI KAROKO	2606545	0721602051	DOMESTIC
7	09/05/2007	JOHN WAITHAKA CHIMBA	2606501	0721602051	COMMERCIAL
8	09/05/2007	GREGORY ASEKA SABATIA	2606464	0722638669	COMMERCIAL
9	09/05/2007	KANGARA DAVID NGANGA	2606687	0722922769	COMMERCIAL
10	09/05/2007	KANGARA DAVID NGANGA	2606696	0722922769	COMMERCIAL
11	09/05/2007	KANGARA DAVID NGANGA	2606693	0722922769	COMMERCIAL
12	09/05/2007	ONYANGO JOHN OKOTH	2606469	0723291027	COMMERCIAL
13	09/05/2007	TINEGA WILLIAM NCHOGU	2606481	0733598951	COMMERCIAL
14	09/05/2007	MBULWA ESTHER JULIUS	2606518	0721976807	DOMESTIC
15	09/05/2007	NGUGI GEORGE KIMANI	2606555	0721644990	COMMERCIAL
16	09/05/2007	KAROTE GEORGE THAITHI	2606571	0722606840	COMMERCIAL
17	09/05/2007	FREDRICK OMONDI OPONDO	2606593	0736125713	COMMERCIAL
18	09/05/2007	GWARO ANDREW OMBIRO	2606618	0726886223	DOMESTIC
19	09/05/2007	GWARO ANDREW OMBIRO	2606624	0726886223	DOMESTIC
20	09/05/2007	GWARO ANDREW OMBIRO	2606628	0726886223	DOMESTIC
21	09/05/2007	JOHN MWANGI NGUGI	2606646	0723335788	COMMERCIAL
22	09/05/2007	JOSPHAT KIMANJI	2606638	0721332564	COMMERCIAL
23	09/05/2007	WAITHIRA MIRIAM	2606706	0722247205	COMMERCIAL

24	09/06/2007	HUNGI ELIJAH MUCHIRI	2606755	0721107739	COMMERCIAL
25	09/06/2007	NJOGU NJOROGE PAUL	2606769	0725118252	COMMERCIAL
26	09/06/2007	LICHORO KAMAU MACHARIA	2606783	0722590978	COMMERCIAL
27	09/06/2007	JOSEPH KAMAU MACHARIA	2606790	0726455983	COMMERCIAL
28	09/06/2007	NDOHO JOHNSON KARIUKI	2606799	0724465443	COMMERCIAL
29	09/06/2007	MUTUKU DANIEL NTUNDA	2606815	0727318501	COMMERCIAL
30	09/06/2007	MUTISO RICHARD MWATHA	2606810	0733544791	COMMERCIAL
31	09/06/2007	GATHIRWA JOSEPH KARANJA	2606830	0727606470	COMMERCIAL
32	09/06/2007	WANJIRA JOHN NGANGA	2606826	0722165943	COMMERCIAL
33	09/06/2007	MWASHI ALULU OLIVA	2606838	0721486890	COMMERCIAL
34	09/06/2007	ALULU MUREU KINGOI	2606855	0721529580	COMMERCIAL
35	09/06/2007	MUTISO RICHARD MWATHA	2606907	0733544791	COMMERCIAL
36	09/06/2007	KYULE CLEOPHAS MUTUA	2606926	0724452952	DOMESTIC
37	09/06/2007	KYULE CLEOPHAS MUTUA	2606929	0724452952	DOMESTIC
38	09/06/2007	KIMUYU CAROLINE KALONDU	2607037	0720827368	DOMESTIC
39	09/06/2007	KIMUYU CAROLINE KALONDU	2607050	0720827368	DOMESTIC
40	09/06/2007	KIMUYU CAROLINE KALONDU	2607053	0720827368	DOMESTIC
41	09/06/2007	KIMUYU CAROLINE KALONDU	2607063	0720827368	DOMESTIC
42	09/06/2007	KIMUYU CAROLINE KALONDU	2607067	0720827368	DOMESTIC
43	09/06/2007	NYAMAI JOSHUA WAMBUA	2607073	0723364985	COMMERCIAL
44	09/06/2007	LICHORO PRISCILLA KAARIO	2607071	0721757979	COMMERCIAL
45	09/06/2007	OKUMU VINCENT ODHIAMBO	2607079	0722266514	COMMERCIAL
46	09/06/2007	A.E.P.C CHURCH	2607084	0720445295	COMMERCIAL
47	09/06/2007	ODUOR BATHLOMWEW	2607095	0733576683	COMMERCIAL
48	09/06/2007	MATHEKA JACKLINE KAVINDU	2607113	0722563325	DOMESTIC
49	09/06/2007	MATHEKA JACKLINE KAVINDU	2607122	0722563325	DOMESTIC
50	09/06/2007	MATHEKA JACKLINE KAVINDU	2607129	0722563325	DOMESTIC
51	09/06/2007	MATHEKA JACKLINE KAVINDU	2607135	0722563325	DOMESTIC
52	09/06/2007	MATHEKA JACKLINE KAVINDU	2607140	0722563325	DOMESTIC
53	09/06/2007	KIMEU COSMAS MUTISO	2607147	0720583350	COMMERCIAL
54	09/06/2007	LUCY NJERI NGANGA	2607157	0724165138	COMMERCIAL
55	09/06/2007	MATITI MUTIA TIMOTHY	2607174	0729066993	COMMERCIAL
56	09/06/2007	MERU FRANCIS WACHIRA	2607192	0720826713	COMMERCIAL
57	09/06/2007	OTIENO KENNEDY AWITI	2607224	0724388470	COMMERCIAL
58	09/06/2007	KIOKO PETER KILONZO	2607243	0721485905	COMMERCIAL
59	09/06/2007	KIMUNYU ELIZABETH SYOMBUA	2607246	0723529372	COMMERCIAL
60	09/06/2007	MWAURA HARRISON KANGETHE	2607252	0725893707	COMMERCIAL
61	09/06/2007	MAKOKHA DAVID WANGWELO	2607262	0720559859	DOMESTIC

62	09/06/2007	MATERI ESTHER NJERI	2607263	0726539748	COMMERCIAL
63	09/06/2007	MATERI ESTHER NJERI	2607266	0726539748	COMMERCIAL
64	09/06/2007	MATERI ESTHER NJERI	2607269	0726539748	COMMERCIAL
65	09/06/2007	MATERI ESTHER NJERI	2607272	0726539748	COMMERCIAL
66	09/06/2007	KARIUKI DANIEL NJOROGE	2607281	0721728398	COMMERCIAL
67	09/06/2007	ANDARE CYRUS TEKAH	2607283	0721718572	COMMERCIAL
68	09/06/2007	MBERU RICHARD ILUKU	2607287	0724853404	COMMERCIAL
69	09/06/2007	KIAMA JANE WANJIKU	2607300	0723374530	COMMERCIAL
70	09/06/2007	KIAMA JANE WANJIKU	2607292	0723374530	COMMERCIAL
71	09/06/2007	GAITAU PATRICK NJOROGE	2607308	0721673865	DOMESTIC
72	09/06/2007	GAITAU PATRICK NJOROGE	2607311	0729525980	DOMESTIC
73	09/06/2007	GAITAU PATRICK NJOROGE	2607313	0722347978	DOMESTIC
74	09/06/2007	GAITAU PATRICK NJOROGE	2607317	0723457152	DOMESTIC
75	09/06/2007	GITAU GEOFREY MUTURI	2607356	0724485717	DOMESTIC
76	09/06/2007	GITAU GEOFREY MUTURI	2607359	0724485717	DOMESTIC
77	09/06/2007	GITAU GEOFREY MUTURI	2607360	0724485717	DOMESTIC
78	09/06/2007	GITAU GEOFREY MUTURI	2607362	0724485717	DOMESTIC
79	09/06/2007	GITAU GEOFREY MUTURI	2607363	0724485717	DOMESTIC
80	09/06/2007	KARANJA ESTHER WAIRIMU	2607385	0722974834	COMMERCIAL
81	09/06/2007	KARANJA ESTHER WAIRIMU	2607389	0722974834	COMMERCIAL
82	09/06/2007	MISANGO JOHNSON MAYANJA	2607459	0721377313	COMMERCIAL
83	09/06/2007	KURIA JAMES NDUNGU	2607478	0720791260	COMMERCIAL
84	09/06/2007	OKILA SILAS MAJINDI	2607561	0722157237	COMMERCIAL
85	09/06/2007	MULWA WAMBUA KITHOME	2607579	0722250408	COMMERCIAL
86	09/06/2007	MULULI SHADRACK MUSYOKA	2607595	0725029441	COMMERCIAL
87	09/06/2007	NYAMWEGA DISHON NYABUGA	2607611	0724900197	COMMERCIAL
88	09/06/2007	NEWTON MWANGI GITAHI	2608975	0728368374	COMMERCIAL
89	09/06/2007	GITAU PETER	2607616	0723513839	COMMERCIAL
90	09/06/2007	RUBIA GEORGE MWANGI	2607620	0721693640	COMMERCIAL
91	09/07/2007	KAYABA YOUTH ASSOCIATED	2607835	0726432736	COMMERCIAL
92	09/07/2007	MUIRUNGI FREDRICK	2607914	0725798942	COMMERCIAL
93	09/07/2007	NJERU GLADYS WANGECI	2607839	0724959322	COMMERCIAL
94	09/07/2007	NJERU GLADYS WANGECI	2607840	0721332564	COMMERCIAL
95	09/07/2007	NJERU GLADYS WANGECI	2607843	0721813785	COMMERCIAL
96	09/07/2007	NJUGUNA JOSEPH MAGOTHE	2607925	0720951090	COMMERCIAL
97	09/07/2007	ROSE NJOKI WAMBUA	2607928	0721934862	COMMERCIAL
98	09/07/2007	OUYA JONES MORIASI	2607931	0734763310	COMMERCIAL
99	09/07/2007	KARANJA WAIRIMU ESTHER	2607950	0722974834	DOMESTIC
100	09/07/2007	KARANJA WAIRIMU ESTHER	2607959	0721545005	DOMESTIC
101	09/07/2007	KARANJA WAIRIMU ESTHER	2607961	0724390586	DOMESTIC
102	09/07/2007	KARIUKI LAWRANE KAMAU	2607979	0721160242	DOMESTIC
103	09/07/2007	INYANYA MOSES ABWOGI	2608027	0720234733	DOMESTIC

104	09/07/2007	NJOROGE PHARI NGANGA	2608067	0729309254	DOMESTIC
105	09/07/2007	JOSEPH KARIUKI NDEGWA	2608093	0722224445	DOMESTIC
106	09/07/2007	NDEGWA JOSEPH KARIUKI	2608085	0722224445	DOMESTIC
107	09/07/2007	NDEGWA JOSEPH KARIUKI	2608079	0722224445	DOMESTIC
108	09/07/2007	NDEGWA JOSEPH KARIUKI	2608077	0722224445	DOMESTIC
109	09/07/2007	NDEGWA JOSEPH KARIUKI	2608075	0722224445	DOMESTIC
110	09/07/2007	NJUGUNA JOSEPH MAGOTHE	2608149	0724787660	DOMESTIC
111	09/07/2007	NJUGUNA JOSEPH MAGOTHE	2608138	0724787660	DOMESTIC
112	09/07/2007	NJUGUNA JOSEPH MAGOTHE	2608130	0724787660	COMMERCIAL
113	09/07/2007	SIENGA MARTIN OYOKO	2608166	0720460655	DOMESTIC
114	09/10/2007	MAINA PAULINA GATHONI	2608492	0725236740	COMMERCIAL
115	09/10/2007	NGANE BERNARD MWANIKI	2608509	0721486544	DOMESTIC
116	09/10/2007	NGANE BERNARD MWANIKI	2608513	0721923326	DOMESTIC
117	09/10/2007	NGANE BERNARD MWANIKI	2608521	0726201915	DOMESTIC
118	09/10/2007	NGANE BERNARD MWANIKI	2608538	0724829272	DOMESTIC
119	09/10/2007	NGANE BERNARD MWANIKI	2608545	0733434394	DOMESTIC
120	09/10/2007	DANIEL KEHA	2608555	0720706853	COMMERCIAL
121	09/10/2007	KARANJA BERNARD MUGITI	2608564	0728417581	COMMERCIAL
122	09/10/2007	MWAURA JANE MUCUGA	2608593	0722566160	COMMERCIAL
123	09/10/2007	MUNGA RACHEL MUTHONI	2608617	0725749981	COMMERCIAL
124	09/10/2007	FLORA KITHEKA	2608621	0728677885	COMMERCIAL
125	09/10/2007	LICHORO PRISCILLA KAARIO	2608661	0734690158	DOMESTIC
126	09/10/2007	KILAKA AMOS WAEMA	2608741	0720366974	COMMERCIAL
127	09/10/2007	LICHORO PRISCILLA KAARIO	2608815	0729309251	COMMERCIAL
128	09/10/2007	LICHORO PRISCILLA KAARIO	2608820	0723138469	COMMERCIAL
129	09/10/2007	KIMANI JANE WANJIKU	2608846	0727426898	COMMERCIAL
130	09/10/2007	OMBATI JAMES OURU	2608852	0729956562	DOMESTIC
131	09/10/2007	OMBATI JAMES OURU	2608853	0729956562	DOMESTIC
132	09/10/2007	OMBATI JAMES OURU	2608854	0729956562	DOMESTIC
133	09/10/2007	OMBATI JAMES OURU	2608857	0729956562	DOMESTIC
134	09/10/2007	OMBATI JAMES OURU	2608863	0729956562	DOMESTIC
135	09/10/2007	KAMURI KIHURIA	2608892	559578	COMMERCIAL
136	09/10/2007	MUTERI ESTHER NJERI	2608945	0727813835	COMMERCIAL
137	09/10/2007	DIDO FATUMA BORU	2608953	0723598684	COMMERCIAL
138	09/10/2007	GITAHU NEWTON MWANGI	2608975	0728368874	DOMESTIC
139	09/10/2007	AMIMO GORDON OTIENO	2609018	0721390648	COMMERCIAL
140	09/10/2007	MUCHEKE JAMES WANGENYE	2609025	0723966607	COMMERCIAL
141	09/10/2007	MUKIDIRA FLOMENDAH	2609032	0724945535	COMMERCIAL

		KAIMURI			
142	09/10/2007	KAMAU DAVID KARIUKI	2609004	0721801512	COMMERCIAL
143	09/10/2007	ALVINA KAWIRA GITONGA	2609042	07259199205	COMMERCIAL
144	09/11/2007	MUJUMBA ALLAN CHAMU	2609074	072005700	COMMERCIAL
145	09/11/2007	KIMANI ESTHER WAITHIRA	2609127	0720923398	COMMERCIAL
146	09/11/2007	GIKUYA SAMUEL WANJHIA	2609141	0733669650	COMMERCIAL
147	09/11/2007	NAMAYI JOSEPH ALUKHOME	2609175	0726730534	COMMERCIAL
148	09/11/2007	OMENDA AWINO IGNATIUS	2609177	0724042288	COMMERCIAL
149	09/11/2007	MARTHA NZIOKI	2609189	0721976807	COMMERCIAL
150	09/11/2007	LICHORO PRISCILLA KAARIO	2609214	0724424540	COMMERCIAL
151	09/11/2007	GICHUMI MUNU	2609232	0720355587	DOMESTIC
152	09/11/2007	GICHUMI MUNU	2609234	0720355587	DOMESTIC
153	09/11/2007	GICHUMI MUNU	2609235	0720355587	DOMESTIC
154	09/11/2007	AHENDA AKINYI FLORENCE	2609283	0722466397	COMMERCIAL
155	09/11/2007	GATHIRWA JOSEPH KARANJA	2609309	0727606090	COMMERCIAL
156	09/11/2007	WANGARI MILKAH MERCY	2609327	0721942520	COMMERCIAL
157	09/11/2007	NYAGA JOHN NJAGI	2609377	0726404458	COMMERCIAL
158	09/11/2007	GATHURA KENNEDY MAINGE		0726958992	COMMERCIAL
159	09/11/2007	NDIGWA ROBET GITONGA	2609429	0724430920	COMMERCIAL
160	09/11/2007	RUBA DIMA BORU	2609679	0726502151	DOMESTIC
161	09/11/2007	BAGALA HASSAN IBRAHIM	2609682	0720059539	COMMERCIAL
162	09/12/2007	WAGUA PETER MASILA	2609746	0721743209	COMMERCIAL
163	09/12/2007	MUTHEE FRAMCIS MUCHIRI	2609760	0722381041	COMMERCIAL
164	09/12/2007	HASSAN BAGAJA IBRAHIM	2609784	0724448056	COMMERCIAL
165	09/12/2007	WACHIRA JACKSON KANYI	2609684	0736435384	COMMERCIAL
166	09/12/2007	THIURI ISAAC PAUL	2609818	0722620968	COMMERCIAL
167	09/12/2007	INDEENE MARY NYAPERA	2609923	0723323446	COMMERCIAL
168	09/12/2007	MAKUU JOSEPH DETEI	2609993	0721511926	COMMERCIAL
169	09/12/2007	DENNIS MUMACHI EKONYA	2610117	0722578275	COMMERCIAL
170	13/09/2007	KARANJA ESTHER WAIRIMU	2610236	0721818473	DOMESTIC
171	13/09/2007	KARANJA ESTHER WAIRIMU	2610235	07333958527	DOMESTIC
172	13/09/2007	KARANJA ESTHER WAIRIMU	2610234	0729092400	DOMESTIC
173	13/09/2007	KARANJA ESTHER WAIRIMU	2610232	0721967074	DOMESTIC
174	13/09/2007	KARANJA ESTHER WAIRIMU	2610230	0725243667	DOMESTIC
175	13/09/2007	MUTHOKI JAQUILINE MUASYA	2610353	0723003107	COMMERCIAL
176	13/09/2007	MARY WACHERA MWANGI	2610435	0726945340	COMMERCIAL
177	13/09/2007	DANIEL WAROBA MUMA	2610445	0722360383/0723321519	COMMERCIAL
178	13/09/2007	JOSHUA KARIUKI MUI	2610652	0723902830	COMMERCIAL
179	14/09/2007	WAMALWA M MARTIN	2610785	0722376408	COMMERCIAL
180	14/09/2007	RIVISI JAMES KUNANI	2610818	0722955211	COMMERCIAL
181	14/09/2007	MAWEU ONESMUS KIOKO	2610824	0723491383	COMMERCIAL
182	14/09/2007	MBURU DORCAS NJOKI	2610831	0725816042	COMMERCIAL
183	14/09/2007	NZILU TERESIA MONAH	2610834	0720486323	COMMERCIAL

184	14/09/2007	MWANGI JULIUS MAINA	2610904	0727932479	COMMERCIAL
185	14/09/2007	MBURU JAMES KARIUKI	2610948	0721691665	COMMERCIAL
186	14/09/2007	KAMAU ARON NZIOKA	2610944	0735919154	COMMERCIAL
187	14/09/2007	KINGOO BONIFACE MUTINDA	2610957	0721233664	COMMERCIAL
188	14/09/2007	NAMILI COLESTA MUENI	2610970	0710613181	COMMERCIAL
189	14/09/2007	WRUGONGO JACOB MAINA	2610979	0728392018	COMMERCIAL
190	14/09/2007	WABWOBA TOM WAFULA	2610982	0733967161	COMMERCIAL
191	14/09/2007	KILOKA AMOS WAEMA	2610987	0720366974	COMMERCIAL
192	14/09/2007	WANGUI JOHN MACHARIA	2610991	0725604497	COMMERCIAL
193	14/09/2007	JALENGA MIXON TSISONI	2610995	0726164494	COMMERCIAL
194	14/09/2007	MUNGWOKI LILIAN MBITHA	2611008	0726164494	COMMERCIAL
195	14/09/2007	KELI DORCAS KALEMA	2611020	0726674219	COMMERCIAL
196	14/09/2007	JOSHUA MWENDWA MBUVI	2611113	0723698146	COMMERCIAL
197	14/09/2007	MAWEU MUSUNGU	2611121	0720256688	COMMERCIAL
198	14/09/2007	GATITU ROSE WAIRIMU	2611125	0733515993	COMMERCIAL
199	14/09/2007	KILOKA HENRY MAUNDU	2611135	0725918498	COMMERCIAL
200	17/09/2007	MUSYOKA JACQULINE WANGARI	2611902	0722341584	COMMERCIAL
201	17/09/2007	NDEGWA EUNICE WANJIKU	2611368	0722952731	COMMERCIAL
202	17/09/2007	MUTHAMA JOSEPH NJOROGE	2611439	0722373553	COMMERCIAL
203	17/09/2007	NGANGA NEBERT NGARI	2611485	0724279865	COMMERCIAL
204	17/09/2007	DICKSON GITONGA M'NAIROBI	2611494	0722751488	COMMERCIAL
205	17/09/2007	MACHARI CHARLES IRUNGU	2611526	0723620134	COMMERCIAL
206	17/09/2007	MUNGAI RACHEL MUTHONI	2611523	0734450568	DOMESTIC
207	17/09/2007	MUTIE BONIFACE NDUNGI	2611585	0723674454	COMMERCIAL
208	17/09/2007	MUKYEMI JOSEPH MUINDE	2611599	0727500157	COMMERCIAL
209	17/09/2007	MULI FRANCIS KIOKO	2611615	0721950571	COMMERCIAL
210	18/09/2007	NJIRO GEORGE MBABU	2611770	0724884666	COMMERCIAL
211	18/09/2007	MUKONZYA BEATRICE NDUNGE	2611774	0724150482	COMMERCIAL
212	18/09/2007	LICHORO PRISCILLA KAARIO	2611776	0720729230	COMMERCIAL
213	18/09/2007	MAGUA ALICE WAMBUI	2611785	0726642164	COMMERCIAL
214	18/09/2007	MWASHI OLIVA ALULU	2611796	0721486890	COMMERCIAL
215	18/09/2007	WANJOHI MACHARIA SAMUEL	2611804	0720245462	COMMERCIAL
216	18/09/2007	KITHINJI MERCY KARIMI	2611816	0728774361	COMMERCIAL
217	18/09/2007	OKOTH IRENE ADHIAMBO	2611843	0724996671	COMMERCIAL
218	18/09/2007	LJOHN MIANO	2611761	0721981445	COMMERCIAL
219	18/09/2007	MUANGE ONESMUS MNUSYOKI	2611979	0710355561	COMMERCIAL
220	18/09/2007	KAMAU DAVID KARIUKI	2611984	0721801512	COMMERCIAL
221	19/09/2007	KAMAU ARON NZOKA	2612053	0735919155	COMMERCIAL
222	19/09/2007	ESTHER WAIRIMU KARANJA	2612076	0727622274	COMMERCIAL

223	19/09/2007	TOM MACDONALD KISUVI	2612249	0723879439	COMMERCIAL
224	19/09/2007	ORIANDA MWANGI GABRIEL	2612314	0728321961	COMMERCIAL
225	19/09/2007	NJENGA MWANGI GABRIEL	2612324	0726801279	COMMERCIAL
226	20/09/2007	KURIA BENSON KAMAU	2612650	0727711001	COMMERCIAL
227	20/09/2007	MBAYA AMOS PAUL	2612668	0725326841	COMMERCIAL
228	21/09/2007	THUKU ROXANAH WANJIRU	2612876	0720700591	COMMERCIAL
229	21/09/2007	NZIOKI PETER MUUNDU	2612945	0720366974	COMMERCIAL
230	21/09/2007	JOHN KURIA	2612969	0724410622	COMMERCIAL
231	21/09/2007	WACHIRA JACKSON KENYO	2612973	0720652997	COMMERCIAL
232	21/09/2007	MUSEMBI AUGUSTUS MUSILI	2613039	0721233692	COMMERCIAL
233	21/09/2007	KATETE PATRICK MUTISO	2613033	0721233692	COMMERCIAL
234	21/09/2007	LILIAN MUTHONI KABUI	2613053	0724212965	COMMERCIAL
235	21/09/2007	WAMBUA STEPHEN MUTUA	2613035	0721233692	COMMERCIAL
236	21/09/2007	NZIVO JULIUS MUTISYA	2613068	0721324122	COMMERCIAL
237	21/09/2007	NDERITU JAMES THUMBI	2613154	0721213039	COMMERCIAL
238	21/09/2007	MUNGUTI JOSEPH NZUVE	2613155	0733139012	DOMESTIC
239	24/09/2007	MAKUMI TITUS MUINDE	2613228	0725816041	COMMERCIAL
240	24/09/2007	MAKOMERE CHRISTOPHER CHITECHI	2613258	0734747605	COMMERCIAL
241	24/09/2007	BENSON KAMAU MWANGI	2613272		COMMERCIAL
242	24/09/2007	ROSANA RICHARD MORARA	2613283	0723343640	COMMERCIAL
243	24/09/2007	CLEOPHAS MUTUA KYULE	2613285	0724452952	COMMERCIAL
244	24/09/2007	CLEOPHAS MUTUA KYULE	2613287	0724452952	DOMESTIC
245	24/09/2007	CLEOPHAS MUTUA KYULE	2613288	0724452952	DOMESTIC
246	24/09/2007	CLEOPHAS MUTUA KYULE	2613293	0724452952	DOMESTIC
247	24/09/2007	CLEOPHAS MUTUA KYULE	2613296	0724452952	DOMESTIC
248	24/09/2007	CLEOPHAS MUTUA KYULE	2613299	0724452952	DOMESTIC
249	24/09/2007	CLEOPHAS MUTUA KYULE	2613300	0724452952	DOMESTIC
250	24/09/2007	CLEOPHAS MUTUA KYULE	2613302	0724452952	DOMESTIC
251	24/09/2007	CLEOPHAS MUTUA KYULE	2613303	0724452952	DOMESTIC
252	24/09/2007	PHILOMENA MUTUA SYOMBUA	2613304	0724452952	DOMESTIC
253	24/09/2007	PHILOMENA MUTUA SYOMBUA	2613305	0724452952	DOMESTIC
254	24/09/2007	PHILOMENA MUTUA SYOMBUA	2613306	0724452952	DOMESTIC
255	24/09/2007	PHILOMENA MUTUA SYOMBUA	2613307	0724452952	DOMESTIC
256	24/09/2007	OGECHI KAUNDA RICHARD	2613329	0721345147	COMMERCIAL
257	24/09/2007	HENRY OTIENO ONYANGO	2613337	0723335788	COMMERCIAL
258	24/09/2007	NGUGI JOHN MWANGI	2613352	0723418624	DOMESTIC
259	24/09/2007	NICHOLUAS MUNYALO NZOVILA	2613368	0723418624	COMMERCIAL
260	24/09/2007	ORANGO JOHN KENNEDY	2613370	0725114616	COMMERCIAL
261	24/09/2007	ONDUYU ONYANGO RICHARD	2613380	0726029456	COMMERCIAL
262	24/09/2007	SWAKAH DAVID EMISIKO	2613383	0721737451	COMMERCIAL
263	24/09/2007	NYARIKI JOSEPHAT GESOCHO	2613385	0720499412	COMMERCIAL
264	24/09/2007	MASESE THOMAS NYARIKI	2613388	0720519688	COMMERCIAL

265	24/09/2007	MUTHOKI JACKLINE MUASYA	2613390	0723003107	DOMESTIC
266	24/09/2007	PIUS MULWA MULEVU	2613430	0723874804	COMMERCIAL
267	24/09/2007	JOHN JOYCE NAITO	2613411	0724145596	DOMESTIC
268	24/09/2007	MUGAMBI JANET JOHN	2613418	0722843843	COMMERCIAL
269	24/09/2007	CHARLES ONSERIO SERO	2613454	0735940250	COMMERCIAL
270	24/09/2007	JALENGA GERALD AMBOGA	2613466	0721861223	COMMERCIAL
271	25/09/2007	GICHUNGI ELIKANA MICHEKA	2613591		COMMERCIAL
272	25/09/2007	KILONZO MUSEMBI	2613705	0720697415	COMMERCIAL
273	25/09/2007	KARIUKI NDOHO JOHNSON	2613962	0724465443	COMMERCIAL
274	25/09/2007	SHANGILIA SALAD OSMAN	2613001	0724489011	DOMESTIC
275	25/09/2007	MARAMBO MARGRET ADHIAMBO	2613002	0722489863	DOMESTIC
276	26/09/2007	JULIUS MUSYOKA NDUVI	2614106	0728859977	COMMERCIAL
277	26/09/2007	MWANGERA DONALD MULI	2614389	0723583155	COMMERCIAL
278	26/09/2007	ODHIAMBO DAVID ASIALA	2614409	0725691537	COMMERCIAL
279	26/09/2007	MULWA LUCY MUENI	2614421	0723641807	COMMERCIAL
280	26/09/2007	MWONGA MUTINDA MWANGA	2614555	0735344083	COMMERCIAL
281	26/09/2007	NDEGWA EUNICE WANJIKU	2614669	0728952731	COMMERCIAL
282	27/09/2007	KEYA COMMUNITY HEALTH WORKERS PROJECT	2614973	0720234733	COMMERCIAL
283	27/09/2007	JOHN MARK BONUKE	2615246	0723015030	COMMERCIAL
284	27/09/2007	ODINGA LUCAS WASONGA	2615385	0724487402	COMMERCIAL
285	27/09/2007	NJIRU IRERI MOSES	2615515	0725770019	COMMERCIAL
286	27/09/2007	MWATHAHI ANNACIATTA MWENDE	2615536	0723445254	COMMERCIAL
287	28/09/2007	EUNICE WANJIKU MAINA	2615580	0720923398	COMMERCIAL
288	28/09/2007	MUCHIRI FRANCIS IRUNGU	2615652	0720720441	COMMERCIAL
289	28/09/2007	ASLALA DENNIS OWINO	2615742	0725879962	COMMERCIAL
290	28/09/2007	JOHNSTONE KIBER ARUSEI	2616098	0725716496	COMMERCIAL
291	28/09/2007	KIMULI DANIEL MALAU	2615866	0736928343	DOMESTIC
292	10/01/2007	MUNRU ANNE NYAMBURA	2616583	0721142508	COMMERCIAL
293	10/01/2007	ANYIRI OMULAMA JOSEPH	2616602	0721777082	DOMESTIC
294	10/01/2007	SUNDA PETER MUNYIRI	2616644	0724090874	DOMESTIC
295	10/01/2007	MBUGUA LUCY WANJIRU	2616747	0721640124	COMMERCIAL
296	10/01/2007	MUTIO JACKIM MUANGE	2616873	0710143873	COMMERCIAL
297	10/01/2007	MUNGAI JANE NJERI	2616898	0727169180	COMMERCIAL
298	10/01/2007	NJOROGE PAUL MWANGI	2616973	0723910104	COMMERCIAL
299	10/02/2007	GALGALO DIKA	2617080	0726432736	COMMERCIAL
300	10/02/2007	MUTISO RICHARD MWATHA	2617090	0733544791	COMMERCIAL
301	10/02/2007	NZEVE FRANSIC KYENZEKU	2617097	0724939533	COMMERCIAL
302	10/02/2007	MULE TOM MUSAU	2617112	0728969622	COMMERCIAL
303	10/02/2007	MUTUA PHILOMENA SYOMBUA	2617173	0725442585	COMMERCIAL
304	10/02/2007	KIMIYU CAROLINE KARONDU	2617225	0721638953	COMMERCIAL
305	10/02/2007	OGUTA ESTHER NJERI	2617239	0722598631	COMMERCIAL
306	10/02/2007	GATHEE ESTHER NJERI	2617259	0729743798	DOMESTIC
307	10/02/2007	JAMES MWANGI KARIUKI	2617266	0724489014	COMMERCIAL

308	10/04/2007	MBUGUA GLADYS WAITHIRA	2617571	0720644362	COMMERCIAL
309	10/04/2007	TOM MUSAU	2617707	0728969622	COMMERCIAL
310	10/04/2007	RICHARD OBWAGI	2617840	0723831990	COMMERCIAL
311	10/04/2007	NORBERT ODHIAMBO OCHIENG	2618174	0721923618	COMMERCIAL
312	10/05/2007	KIAMA JANE WANJIRU	2619033	0723374530	COMMERCIAL
313	10/05/2007	KIAMA JANE WANJIRU	2619030	0723374530	COMMERCIAL
314	10/05/2007	DANIEL MUTUA KITURU	2619316	0727270742	COMMERCIAL
315	10/08/2007	MANOAH M CHANZU	2619591	0723372162	COMMERCIAL
316	10/08/2007	NYAGA EMILIO	2619896	0725251419	COMMERCIAL
317	10/09/2007	WANJOHI CHRISTOPHER NDIRITU	2620497	0721708439	DOMESTIC
318	10/09/2007	MURIRU CAROLINE WANJIKU	2620678		DOMESTIC
319	10/11/2007	ITUMO CHRISTINE SYAMBUA	2620993	0734530482	COMMERCIAL
320	10/11/2007	MUNU LOISE WANJIKU	2620997	0722503412	COMMERCIAL
321	10/11/2007	MATHEKA TABITHA MUTIO	2621091	0725446595	COMMERCIAL
322	10/12/2007	AGNES NTHENYA	2621480	0727576485	COMMERCIAL
323	10/12/2007	MUTUA BENJAMIN NTHUVA	2621494	0723273115	DOMESTIC
324	17/10/2007	KARIUKI STEPHEN NJENGA	2623322	0722588412	COMMERCIAL
325	18/10/2007	TONGI CHARLES NYAMBANE	2624128	0729080871	COMMERCIAL
326	23/10/2007	MURITHI FLANKLINE KINYAKI	2626050	0722312468	COMMERCIAL
327	26/10/2007	NDEGWA GRACE WANJIRU	2628018	0725359263	DOMESTIC
328	11/09/2007	NGEIWA NELSON CHEMOGES	2633808	0725861837	COMMERCIAL
329	11/12/2007	GITAU GEOFREY MUTURI	2634499	0724485717	DOMESTIC

(3) Kibera:

Table 5: KPLC Marketing Report on Kibera; January 2008

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	LANDLORD	SRN NO.	MOBILE	CONNECTION STATUS
1	Kariu John Nga'nga'	2531096	722688386	On supply
2	David Mwangi Kanyenyo	2535225	722304696	On supply
3	Tobias Oloo Otieno	2535381	722440782	
4	Hamsa Hussein Omar	2535381	720280238	On supply
5	Beth Wanjiku	2535388	722696969	On supply
6	Muthusi Kisau Antony	2535389	722847484	On supply
7	Christopher Nderitu	2533322	722474641	On supply
	08/03/2007			
8	Stephen Agoro	2547045	734218094	On supply
9	Margaret Wangui Kamau	2537083	7213269722	
	12/03/2007			
10	Reuben Ongiri Nyakundi	2537855		On supply

11	Joseph Mutua Waweu 13/03/2007	2537901		720314387	On supply
12	Benson Ndingili Mawie	2538469		733763397	On supply
13	Benson Ndingili Mawie 14/03/2007	2538585		733763397	On supply
14	Abdalah Hawa Nkatha 15/03/2006	2539249		722775767	On supply
15	Mbunzi Ismael Musila	2539471		733758024	On supply
16	Salome Mbula	2539473		734921420	On supply
17	Lawrence Mutia Musebi	2539480	0722315964/0736392685		On supply
18	2539560	721540970			
19	Veronica Akinyi Otieno	2539680		721215112	On supply
20	Veronica Akinyi Otieno	2539683		725018376	
21	Veronica Akinyi Otieno	2539687		721216574	On supply
22	Veronica Akinyi Otieno	2539699		721427603	On supply
23	Veronica Akinyi Otieno	2539693		725108857	On supply
24	Veronica Akinyi Otieno	2539690			On supply
25	Veronica Akinyi Otieno	2540900		720262397	On supply
26	Veronica Akinyi Otieno 16/03/2007	2539662			
27	Kibera Glory Sec School 19/03/2007	2540210		7352923	
28	Veronica Akinyi Otieno	2540929		734405278	On supply
29	Veronica Akinyi Otieno	2540937		728541335	On supply
30	Musita Robert Nyamwea 21/03/2007	2541041	0734565005/0733984917		On supply
31	Chrisphen Obonyo	2541980		722604367	On supply
32	David Kinuthia Njoroge	2542132		725880083	On supply
33	Nthiani Festus Kavita 22/03/2007	2542146		727929648	On supply
34	Joseph Otieno Randere 23/03/2007	2542586		721385818	
35	George Onyango 27/03/2007	2543061		720385477	On supply
36	Mutemi George Mutiso	2544046		720211868	On supply
37	Dorcas Imali Memba 29/03/2007	2544095		722613345	On supply
38	Luvayo Memba Julius 30/03/2007	2545443		723477752	On supply
39	Benson Ndingili Mawie	2545618		733763397	On supply
40	Benson Ndingili Mawie	2545621		733763397	On supply
41	Benson Ndingili Mawie	2545626		733763397	On supply
42	Benson Ndingili Mawie	2545633		733763397	On supply
43	Benson Ndingili Mawie	2545638		733763397	On supply
44	Benson Ndingili Mawie	2545641		733763397	On supply
45	Benson Ndingili Mawie	2545644		733763397	On supply

46	Benson Ndingili Mawie	2545646		733763397	On supply
47	Benson Ndingili Mawie	2545648		733763397	On supply
48	Francis Njoroge	2545725		722997266	
49	DonBosco Church-Kibera	2545960		722713739	
	02/04/2007				
50	Julias Anyanga	2546197		721146269	
51	Munga Roseline Navaria	2546229		721533279	On supply
52	2546250	721790054	On supply		
53	Ndolo Benson Mutunga	2546248		7250178883	On supply
54	Muciri Julius Gathirura	2546256		721791079	On supply
55	Nyabuto Omache	2546266		724594782	
56	Kepher Musa Amoke	2546286		721289770	
57	Amagove Margaret	2546290		734528738	On supply
58	Mulwa Jackson Mulei	2546321		723696193	
59	Benson Ndingili Mawie	2546327		720388762	On supply
60	Veronica Akinyi Otieno	2546427		722567127	On supply
61	Benson Mutunga Ndolo	2546442		725017883	On supply
62	2546447	733909835			
63	Elijah Ochenge	2546236			On supply
	03/04/2007				
64	Muthoka James Wambua	2546640		722866752	On supply
65	Samson Nyamai	2546661		270342162	
66	Benson Mutunga Ndolo	2546684		724928530	On supply
67	Benson Mutunga Ndolo	2546686		724804565	On supply
68	Benson Mutunga Ndolo	2546735		725017883	On supply
69	Kasuni Aaron Mutuse	2546813			On supply
70	Gachau Elias Mwaura	2546938		721623461	On supply
71	Odongo Thomas Otieno	2547053		733676957	On supply
72	Boge Bramwel Erahare	2547057		721940344	On supply
73	Mutinda Jacob Katee	2547061		720751588	On supply
74	2547079	736623067			
	04/04/2007				
75	Margaret Asagi	2547261		722984732	On supply
76	Veronica Akinyi Otieno	2547520		725878376	On supply
77	2547604	727750308	On supply		
78	Ashiono Fabiano Alila	2547636		720916387	
79	Magdalene Mutete	2547666		721379041	On supply
	10/04/2007				
80	Benson Kithome	2547778		721398766	On supply
81	Ezekiel Ombaso	2547782		721677894	
82	Pius Ogeto Ombati	2547800		720755504	On supply
83	Ouma David Ochieng'	2547798		728822328	
84	Lydia Nguku Kangutu	2547803		724114821	On supply
85	2547809	728033803			
86	Njeru Albert Nyaga	2547814		725225030	
87	Njeru Albert Nyaga	2547815		724940121	On supply

88	Njeru Albert Nyaga	2547818		720129292	
89	Akwanya Aloo	2547821		735479231	On supply
90	Isoi Philip Mwoshi	2547842		721349394	On supply
91	Omondi Thomas	2547907		721269081	On supply
92	Yunus Mohamed Ali	2547912		720892811	On supply
93	Omondi Thomas	2547917		733392442	On supply
94	Akwanya Aloo	2547933		736197392	On supply
95	Paul Mutheka	2547937		736197392	On supply
96	Paul Matheka	2547939		736197392	On supply
97	Paul Mutheka	2547970		736197392	On supply
98	Paul Mutheka	2547976		723483899	On supply
99	Richard Wambua Muasya	2547969		734527150	On supply
100	Imani Agency	2548017	020-7826028		On supply
101	James Wilfred Orange	2548048		725818384	On supply
	11/04/2007				
102	Imbuchi Haron Ateku	2548135		733538635	On supply
103	2548231	727856261	On supply		
104	Alphonse Vata Mutua	2548311		722392762	
105	Alphonse Vata Mutua	2548315		722392762	
106	Hussein Ali Shego	2548354		725477966	On supply
107	2548510	721774126			
108	Muthoka James Wambua	2548366		720922503	
	12/04/2007				
109	Eunice Mwirigi Karimi	2548712		735479231	On supply
110	Eunice Mwirigi Karimi	2548714		721141220	On supply
111	Eunice Mwirigi Karimi	2548713		721945868	On supply
112	Eunice Mwirigi Karimi	2548715		720256841	On supply
113	Eunice Mwirigi Karimi	2548716			On supply
114	Benson Ndongili Mawie	2548754			On supply
	13/04/2007				
115	Omondi Thomas Owino	2548771		720965145	On supply
116	Shindia Abdi	2548789		734538082	On supply
117	Kuria Junice	2548843			
118	Steven Muthini Nzaku	2548848		722808897	On supply
119	Steven Muthini Nzaku	2548851		722808897	On supply
120	Steven Muthini Nzaku	2548853		722808897	On supply
121	Steven Muthini Nzaku	2548855		722808897	On supply
122	Steven Muthini Nzaku	2548856		722808897	On supply
123	Richard Gikonyo Mwangi	2548873		724669366	
124	Charles Ireri	2548933		722242531	
	16/04/2007				
125	Sarafina Njeri	2548993		724084327	On supply
126	Lukas Nyamweya Arori	2549007		722499092	On supply
127	2549011	725799376	On supply		
128	George Makori Nyangenyoo		2549013	726911251	On supply
129	Joyce Wangare		2549062	720298130	On supply

130	James Wilfred Orege	2549066	0723485833/0734164793	On supply
131		2547969	723483899	On supply
	17/04/2007			
132	Simon Manthi Kimetu	2549826	727837560	On supply
133	Margaret Wanjiku	2554003	721481661	On supply
134	Veronica Akinyi Otieno	2549899	721215112	On supply
135	Veronica Akinyi Otieno	2547520	721215112	On supply
	18/04/2007			
136	Njeri Wainaina	2550091	725370096	
137	Kemisa Ali	2550120	720685541	On supply
138	Charles Agutu	2550232	722916502	On supply
139	Naftali Mburu Ngware	2550253	722508812	On supply
	20/04/2007			
140	Chogo Lugwiri Joseph	2551012	722909180	
141	Julius Kimunyū Musau	2551078	726883733	On supply
	23/04/2007			
142	2551485	721557797	On supply	
143	2551492	722591497	On supply	
144	Benson Kamadi Orodō	2551807	721442898	
145	Kilovia Masyoka	2551588	720581513	On supply
146	Paul Mwangi	2551590	725440817	
147	Osodo Joseph	2551813	724881895	On supply
148	Kavai Evans Mutange	2551825	721420976	
	24/04/2007			
149	Hamisi Abdi Abdul	2551952	725641026	On supply
150	John Kahuthu Mwangi	2552013	724783925	
151	John Gitonga Gichuhi	2552242	722858860	On supply
	25/04/2007			
152	Kasina Vavu	2552942	723548160	
	26/04/2007			
153	Agnes Nduku Mutua	2553363	735238215	
154	Elisha A. Kasere	2553684	726771918	
	27/04/2007			
155	Kilwae Albert Mdonga	2554048	723499795	
	30/04/2007			
156	Abdi Abdul Hamisi	2554581	724088173	On supply
157	Njeru Albert Nyaga	2554586	735959738	On supply
158	Esther Mwendē Kaleli	2554624	0721661458/0729796945	
159	Esther Mwendē Kaleli	2554627	721661458	
160	Esther Mwendē Kaleli	2554650	721661458	
161	Lui Malanga Luvalē	2554707	721869233	
162	Richard Ogado Ogita	2555253	722213571	On supply
163	Richard Ogado Ogita	2555257	722213571	On supply
164	Richard Ogado Ogita	2555258	722213571	On supply
165	Richard Ogado Ogita	2555260	722213571	On supply
166	Richard Ogado Ogita	2555266	722213571	On supply

167	Richard Ogado Ogita	2555268	722213571	On supply
168	Richard Ogado Ogita	2555269	722213571	On supply
169	Richard Ogado Ogita	2555273	722213571	On supply
170	Richard Ogado Ogita	2555275	722213571	On supply
171	Richard Ogado Ogita	2555276	722213571	On supply
172	Rose Atieno Ogado	2555279	722213571	On supply
173	Rose Atieno Ogado	2555281	722213571	On supply
174	Rose Atieno Ogado	2555285	722213571	On supply
175	Rose Atieno Ogado	2555288	722213571	On supply
176	Rose Atieno Ogado	2555291	722213571	
177	Rose Atieno Ogado	2555293	722213571	On supply
178	Rose Atieno Ogado	2555298	722213571	On supply
179	Rose Atieno Ogado	2555302	722213571	On supply
180	Rose Atieno Ogado	2555306	722213571	On supply
181	Rose Atieno Ogado	2555309	722213571	On supply
182	Martin Mbuto Musomba	2554760	735223874	
183	Khamisa Ali	2554785	0720685541/0720952858	On supply
184	Khamisa Ali	2554813	720590170	On supply
185	Nyaswaru David Charana	2554906	736119082	
186	Nyaswaru David Charana	2554909	736944631	
187	Maraburi Kleti Onsongo	2554925	723862603	
188	Maraburi Kleti Onsongo	2554929	726853693	
189	Maraburi Kleti Onsongo	2554935	724717378	
190	Nganga Peter	2555041	725603303	
191	Nganga Peter	2555046	725603303	
192	Nganga Peter	2555050	725603303	
193		2555112	722330070	
	02/05/2007			
194	Jane Nyambura	2555249	722968417	
195	Misita Robert Nyamweya	2555304	0733984917/0734565005	On supply
196	Sofia Asha	2555472	723709721	On supply
197	Sofia Asha	2555474	724455971	On supply
198	Sofia Asha	2555476	723709721	On supply
199	Sofia Asha	2555504	725324285	On supply
200	Sofia Asha	2555507	726892427	On supply
	03/05/2007			
201	Yunus Mohamed Ali	2555646	722343434	On supply
202	Mwachi Justus Daniel	2555655	735182946	
203	Mwachi Justus Daniel	2555658	728845340	
204	Mwachi Justus Daniel	2555660	723913904	
205	Mwachi Justus Daniel	2555663	723313573	
206	Mwachi Justus Daniel	2555666	735182946	
207	Were Osinya Juma	2555702	721413789	
208	Joseph Otieno Randere	2555967	721385818	
209	Joseph Otieno Randere	2555975	721385818	
210	Joseph Otieno Randere	2555979	721385818	

211	Joseph Otieno Randere	2555982	721385818	
212	Waweru Jane Wanjiru	2555988	734529498	
	04/05/2007			
213	Kivachi Francis Mung'asia	2556359	723414961	
214	Kivachi Francis Mung'asia	2556361	723414961	
215	Kivachi Francis Mung'asia	2556362	723414961	
216	Kivachi Francis Mung'asia	2556363	723414961	
217	Kivachi Francis Mung'asia	2556365	723414961	
218	Kivachi Francis Mung'asia	2556366	723414961	
219	Hussein Ali Shego	2556382	723541833	
220	Hussein Ali Shego	2556385	726543713	
221	Hussein Ali Shego	2556387	724787565	
222	Hussein Ali Shego	2556391	7211162896	
223	Hussein Ali Shego	2556396	735277734	
224	Hussein Ali Shego	2556399	729034385	
225	Hussein Ali Shego	2556405	727005937	
226	Hussein Ali Shego	2556408	722638751	
227	Hussein Ali Shego	2556409	727598448	
228	Hussein Ali Shego	2556412	720254676	
229	Luvale Lui Malanga	2556417	721869233	
230	Luvale Lui Malanga	2556419	721869233	
231	Luvale Lui Malanga	2556428	721869233	
232	Luvale Lui Malanga	2556429	721869233	
233	Luvale Lui Malanga	2556460	721869233	
234	Luvale Lui Malanga	2556463	721869233	
235	Luvale Lui Malanga	2556464	721869233	
236	Beatrice Mugi Wambui	2556498	720361876	On supply
237	Beatrice Mugi Wambui	2556499	725682306	On supply
238	Beatrice Mugi Wambui	2556504	724657725	On supply
239	Beatrice Mugi Wambui	2556516	724553829	On supply
240	Beatrice Mugi Wambui	2556518	724097483	On supply
241	Beatrice Mugi Wambui	2556532	721242120	On supply
242	Beatrice Mugi Wambui	2556533	735874218	On supply
243	Beatrice Mugi Wambui	2556535	721758388	On supply
	07/05/2007			
244	David Wambura Mwikware	2556928	727630744	
245	David Wambura Mwikware	2556929	725894913	
246	David Wambura Mwikware	2556940	724482326	
247	David Wambura Mwikware	2556944	734792320	
248	David Wambura Mwikware	2556946	721954963	
249	David Wambura Mwikware	2556948	725829283	
250	David Wambura Mwikware	2556952	722503434	
251	David Wambura Mwikware	2556954	733980890	
252	Mwangi John kahuthu	2557142	727841909	
253	Mwangi John kahuthu	2517144	722974124	
254	Mwangi John kahuthu	2557148	727227802	

255	Mwangi John kahuthu		2557151	735994819	
256	Mwangi John kahuthu		2557153	721253914	
257	Mwangi John kahuthu		2557157	734789442	
258	Mwangi John kahuthu		2557159	720394246	
259	Kivachi Francis Mang'asia		2557116	723414961	
260	Weru Christopher nderitu		2557180	726720764	
261	Weru Christopher nderitu		2557181	724676458	
262	Weru Christopher nderitu		2557182	734397879	
263	Weru Christopher nderitu		2557183	733454134	
264	Weru Christopher nderitu		2557184	726348657	
265	Weru Christopher nderitu		2557185	723837538	
266	Weru Christopher nderitu		2557187	721679835	
267	Weru Christopher nderitu		2557189	723108789	
268	Amina Issa		2557118	727587836	On supply
269	Amina Issa		2557119	733394180	On supply
270	Amina Issa		2557123	725745733	On supply
271	Amina Issa		2557127	721859950	On supply
272	Amina Issa		2557131	734446690	On supply
273	Amina Issa		2557133	734917333	On supply
274	Amina Issa		2557136	734331057	On supply
275	Amina Issa		2557137	724941324	On supply
276	2556918	721572863			
277	Kemisa Ali		2557162	721218273	On supply
278	Kemisa Ali		2557164	723701858	On supply
279	Kemisa Ali		2557167	722891902	On supply
280	Kemisa Ali		2557168	723708858	On supply
281	Kemisa Ali		2557169	727810087	On supply
282	Kemisa Ali		2557170	721470498	On supply
283	Kemisa Ali		2557171		On supply
284	Kemisa Ali		2557172	720416613	On supply
285	Waroga Lucy Njoki		2556958		On supply
286	Waroga Lucy Njoki		2556959		On supply
287	Waroga Lucy Njoki		2556960		On supply
288	Waroga Lucy Njoki		2556961		On supply
289	Waroga Lucy Njoki		2556964		On supply
290	Waroga Lucy Njoki		2556966		On supply
291	Waroga Lucy Njoki		2556967		On supply
292	Waroga Lucy Njoki		2556969		On supply
293	Waroga Lucy Njoki		2556970		On supply
294	Waroga Lucy Njoki		2556971		On supply
295	Waroga Lucy Njoki		2556972		On supply
296	Waroga Lucy Njoki		2556974	726345343	On supply
297	Waroga Lucy Njoki		2556975	720984123	On supply
298	Hawa Nkatha		2556992		On supply
299	Hawa Nkatha		2556996		On supply
300	Hawa Nkatha		2557001		On supply

301	Hawa Nkatha		2557002		On supply
302	Hawa Nkatha		2557003		On supply
303	Hawa Nkatha		2557006		On supply
304	Hawa Nkatha		2557015		On supply
305	Hawa Nkatha		2557025		On supply
306	Hawa Nkatha		2557029		On supply
307	Mutwiwa Joseph Muema		2557076		
308	Mutwiwa Joseph Muema		2557077		
309	Mutwiwa Joseph Muema		2557056	725252108	
310	Mutwiwa Joseph Muema		2557079		
311	Mutwiwa Joseph Muema		2557080		
312	Marjan Saada Abdulkadir		2557060	722670200	
313	Marjan Saada Abdulkadir		2557064	724639346	
314	Marjan Saada Abdulkadir		2557066		
315	Marjan Saada Abdulkadir		2557069	720546351	
316	Marjan Saada Abdulkadir		2557071	720700997	
317	Gichana Samuel Obwoye		2557174		
318	Gichana Samuel Obwoye		2557175	720459760	
319	Gichana Samuel Obwoye		2557176	720921608	
320	Gichana Samuel Obwoye		2557178	721792758	
321			2557750	724103892	
322			2557752	724103892	
323			2557753	724103892	
324			2557754	724103892	
325			2557755	724103892	
	08/05/2007				
326	2557201	721202413			
327	2557204				
328	2557206				
329	2557207				
330	2557208				
331	2557220	721448560			
332	George Ogolla Otieno		2557237	723176228	
333	George Ogolla Otieno		2557240	720938835	
334	George Ogolla Otieno		2557242	721791961	
335			2557415	726407258	
336			2557420		
337	Shiema Mary Mumbua		2557512	723443007	
338	Shiema Mary Mumbua		2557516		
339	Shiema Mary Mumbua		2557518		
340	Shiema Mary Mumbua		2557520		
341	Shiema Mary Mumbua		2557522	735745209	
342	Shiema Mary Mumbua		2557525	721906676	
343	Shiema Mary Mumbua		2557528	720671252	
344	Kibaya Edward Mang,wali		2557555	720653066	
345	Kibaya Edward Mang,wali		2557553	726447596	

346	James Kariuki	2557668	720853518	
347	James Kariuki	2557671		
348	James Kariuki	2557673		
349	James Kariuki	2557675		
350	James Kariuki	2557682		
351	James Kariuki	2557687		
352	James Kariuki	2557691		
353	James Kariuki	2557693		
354	James Kariuki			
355	Siambe Joseph Mirera	2556921	720798171	
	09/05/2007			
356	Kariuki Peter Njoroge	2557916	722994449	
357	Ngochi Francis Thuo	2557928	723336439	
358	Dida George Otieno	2557934	720127034	
359		2558115	721416312	
360		2558117		
361		2558118		
362		2558121		
363		2558123		
364		2558125		
365		2558130		
366		2558132		
367	Veronica Akinyi Otieno	2558195		On supply
368	Veronica Akinyi Otieno	2558203		On supply
369	Veronica Akinyi Otieno	2558207		On supply
370	Veronica Akinyi Otieno	2558213	020-558753	On supply
371	Veronica Akinyi Otieno	2558215	721215112	On supply
372	Veronica Akinyi Otieno	2558219	721215112	On supply
373	Veronica Akinyi Otieno	2558216	721215112	On supply
374	Veronica Akinyi Otieno	2558217		On supply
375	Veronica Akinyi Otieno	2558223		On supply
376	Veronica Akinyi Otieno	2558224		On supply
377	Veronica Akinyi Otieno	2558227		On supply
378	Veronica Akinyi Otieno	2558232	721215112	On supply
379	Veronica Akinyi Otieno	2558237	721215112	On supply
380	Veronica Akinyi Otieno	2558244	721215112	On supply
381	Veronica Akinyi Otieno	2558247	721215112	On supply
	10/05/2007			
382	Kibaya Edward Mangwali	2558308		
383	Kabugi John Muritu	2558366	722336434	
384	Kabugi John Muritu	2558367	722336434	
385	Kabugi John Muritu	2558371	722336434	
386	Kabugi John Muritu	2558372	722336434	
387	Kabugi John Muritu	2558373	722336434	
339	Kabugi John Muritu	2558376	722336434	
340	Kabugi John Muritu	2558378	722336434	

341	Kabugi John Muritu	2558379	722336434	
	11/05/2007			
342	Njeri Wainaina	2558904	724127671	
343	Njeri Wainaina	2558905	722961060	
344	Njeri Wainaina	2558910	720782120	
345	Njeri Wainaina	2558912	725310096	
346	Waroga Lucy Njoki	2559039	724559115	
347	Hamisi Rashid Nyamuhinya	2559121	726488979	
348	Hamisi Abdul Abdi	2559240	725641026	
349	Hamisi Abdul Abdi	2559241	725641025	
350	Hamisi Abdul Abdi	2559244	721827374	
351	Hamisi Abdul Abdi	2559246	727211217	
	14/05/2007			
352	Tukei Daniel Lodupo	2561135	723703588	
	15/05/2007			
353	Hamisi Abdi Abdul	2560285	722777614	On supply
354	Hamisi Abdi Abdul	2560295		On supply
355	Mohamed Ajeeb Hamed	2560376	726541473	On supply
356	Mohamed Ajeeb Hamed	2560379	726541473	On supply
357	Mohamed Ajeeb Hamed	2560382	723084363	On supply
358	Mohamed Ajeeb Hamed	2560383	735443952	On supply
359	Mohamed Ajeeb Hamed	2560384	725245793	On supply
360	Mohamed Ajeeb Hamed	2560385	720082210	On supply
361	Mohamed Ajeeb Hamed	2560386	726744269	On supply
362	Mohamed Ajeeb Hamed	2560389	726541476	On supply
363	Mohamed Ajeeb Hamed	2560390	726080274	On supply
364	AIC Mashimoni Church	2560391		
	16/05/2007			
365	Mohamed Ajeeb Hamed	2560615	725686882	
366	Hussein Ali Shego	2560676	720320611	
367	Joseph Mutua Maweu	2560822		
368	Joseph Mutua Maweu	2560829		
369	Joseph Mutua Maweu	2560817		
	17/05/2007			
370	Kemisa Ali	2561121	728008332	
371	Njeri Wainaina	2561243	733538635	
372	Gichimu Mary Mukami	2561306	722550639	
373		2561372	724103892	
374		2561377		
375		2561386		
376		2561428		
377	Kairu Daniel Muhia	2561482		
378	Kairu Daniel Muhia	2561481		
379	Kairu Daniel Muhia	2561484		
380	Kairu Daniel Muhia	2561486	727107523	
381	Marjan Saada Abdulkadir	2561517	724914665	

382	Marjan Saada Abdulkadir	2561518	723205375
383	Marjan Saada Abdulkadir	2561519	723205375
384	Chrisphine Obonyo	2561670	725747918
	18/05/2007		
385	Chrisphine Obonyo	2562040	724945308
386	Hawa Nkatha	2562200	720424458
387	Thuku Gladys Warigia	2562120	733972891
	21/05/2007		
388	Ashiano Fabiano Alila	2562534	720916387
389	Ashiano Fabiano Alila	2562537	720916387
390	Ashiano Fabiano Alila	2562538	720916387
391	Ashiano Fabiano Alila	2562543	720916387
392	Akinyi Veronica Otieno	2562622	
393	Akinyi Veronica Otieno	2562624	
394	Akinyi Veronica Otieno	2562627	
395	Wario Abdi Dida	2562683	722318577
	23/05/2007		
396	Karanja Suleiman Muchai	2564006	724116119
397	Karanja Suleiman Muchai	2564010	723769107
398	Karanja Suleiman Muchai	2564013	721997786
399	Karanja Suleiman Muchai	2564014	722956575
400	Karanja Suleiman Muchai	2564015	721785421
401	Karanja Suleiman Muchai	2564018	721785421
	24/05/2007		
402	Wanjiku Mary Makara	2564138	725228816
403	Tom Elly Oriko	2564343	720673901
404	Ali Omar Mohamed	2564363	720507601
405	Ali Omar Mohamed	2564366	721274037
406	Wambaki Julius Gikonyo	2564487	721477054
407	Wambaki Julius Gikonyo	2564486	721477054
	25/05/2007		
408	Mathews Ogudah Ongalo	2565509	530230
	28/05/2007		
409	Karanja Paul Kanyara	2565509	727466973
410	Karanja Paul Kanyara	2565511	
411	Karanja Paul Kanyara	2565514	
412	Karanja Paul Kanyara	2565519	
413	Karanja Paul Kanyara	2565524	
414	Karanja Paul Kanyara	2565528	
415	Karanja Paul Kanyara	2565530	
416	2565559	722281958	
	29/05/2007		
417	Karani James Ngeni	2565944	723988808
418	Kuria Margret Waceke	2595950	727256895
419	Kuria Sarafina Wambui	2565986	724604986
420	Kamadi Benson Olodo	2566115	721265596

421	Kamadi Benson Olodo	2566170	724153875	
422	Kamadi Benson Olodo	2566130	724296789	
423	Kamadi Benson Olodo	2566118	736931125	
424	Rajab Ahmed Toma	2566221	722394358	
425	Rajab Ahmed Toma	2566226	723980806	
426	Rajab Ahmed Toma	2566231	723980806	
427	Rajab Ahmed Toma	2566233	723980806	
428	Rajab Ahmed Toma	2566236	723980806	
429	Rajab Ahmed Toma	2566238	723980806	
430	Rajab Ahmed Toma	2566240	723980806	
431	Rajab Ahmed Toma	2566241	723980806	
432	Rajab Ahmed Toma	2566242	723980806	
433	Rajab Ahmed Toma	2566244	723980806	
434	Rajab Ahmed Toma	2566249	723980806	
435	Rajab Ahmed Toma	2566252	723980806	
436	Rajab Ahmed Toma	2566255	723980806	
437	Rajab Ahmed Toma	2566257	723980806	
438	Rajab Ahmed Toma	2566260	723980806	
439	Rajab Ahmed Toma	2566261	723980806	
440	Rajab Ahmed Toma	2566262	723980806	
441	Rajab Ahmed Toma	2566263	723980806	
442	Njuguna Stephen Mungai	2566193	721648406	Not on supply. As at 11th June
443	Njuguna Stephen Mungai	2566194	720676789	Not on supply. As at 11th June
444	Njuguna Stephen Mungai	2566188	721736975	Not on supply. As at 11th June
445	Njuguna Stephen Mungai	2566186	722777380	Not on supply. As at 11th June
446	Njuguna Stephen Mungai	2566177	723061321	Not on supply. As at 11th June
447	Njuguna Stephen Mungai	2566180	724951725	Not on supply. As at 11th June
448	Njuguna Stephen Mungai	2566182	723134531	Not on supply. As at 11th June
449	Njuguna Stephen Mungai	2566192		Not on supply. As at 11th June
450	Njuguna Stephen Mungai	2566190		Not on supply. As at 11th June
	30/05/2007			
451	Joseph Mutua Maweu	2566660		
452	Joseph Mutua Maweu	2566662	720545042	
	31/05/2007			
453	Ambale Charles Abisayi	2567010	723081973	
454	Warwere Wilson Mwangi	2567130		
455	Akumu Vincent Onyango	2567109	722601965	
456	Akumu Vincent Onyango	2567118		
457	Akumu Vincent Onyango	2567122		
458	Akumu Vincent Onyango	2567124		
459	Akumu Vincent Onyango	2567126		
	04/06/2007			

460	Richard Mutisya Mutuku	2567371	
461	Karanja Paul Kanyara	2567375	725942382
462	Njeri Wainaina	2567431	722602696
463	Kieru Purity Wanjiku	2567492	722569978
464	Hawa Nkatha	2567632	722775767
465	Maingi John Kiama	2567746	727715267
466	Muiruri Samuel Nganga	2567708	724892679
	06/06/2007		
467	David Wambura Mwikware	2568401	723448865
468	David Wambura Mwikware	2568404	
469	David Wambura Mwikware	2568408	727630744
470	David Wambura Mwikware	2568410	729553768
471	David Wambura Mwikware	2568412	
472	David Wambura Mwikware	2568413	720848389
473	David Wambura Mwikware	2568414	
474	Mareti William Gathea	2568486	722262017
475	Njoroge Catherine Wanjiku	2568493	727588807
476	Njoroge Catherine Wanjiku	2568494	728528830
477	Njoroge Catherine Wanjiku	2568496	724213989
478	Njoroge Catherine Wanjiku	2568500	726544252
479	Njoroge Catherine Wanjiku	2568503	724820782
480	Njoroge Catherine Wanjiku	2568507	
481	Njoroge Catherine Wanjiku	2568513	726946149
482	Njoroge Catherine Wanjiku	2568509	721688123
483	James Bosire Abuya	2568584	723652530
484	Nyaga Rufus Mwangi	2568571	722677966
485	Kinyua David Mwangi	2568575	722791082
	07/06/2007		
486	Nzioki Richard Muasya	2569272	725654250
487	Nzioki Richard Muasya	2569278	725654250
488	Nzioki Richard Muasya	2569283	725654250
489	Nzioki Richard Muasya	2569288	726557009
490	Nzioki Richard Muasya	2569291	
491	Kibaya Edward	2569325	721557797
492	Anemba Ambros Osochi	2569336	720377003
493	Karami Mary Wambui	2569356	721228666
494	Mohamed Ajeeb Hamed	2569393	726615747
495	Mohamed Ajeeb Hamed	2569400	727476019
	08/06/2007		
496	Mwangi Joseph Gichuki	2570053	723361104
497	Ondero Joel Osomo	2570051	723774886
	11/06/2007		
498	Mwangi James Muriuki	2570100	722622541
499	Mutule Boniface Masinde	2570554	727731330
500	Mutule Boniface Masinde	2570555	723801012
501	Mutule Boniface Masinde	2570570	725033942

502	Mutule Boniface Masinde	2570578	720566525
503	Mutule Boniface Masinde	2579127	724052997
	02/07/2007		
504	Elijah Kabugi Kigongo	2579768	728115664
505	Elijah Kabugi Kigongo	2579772	728115664
506	Elijah Kabugi Kigongo	2579789	728115664
507	Elijah Kabugi Kigongo	2579778	728115664
508	Elijah Kabugi Kigongo	2579783	728115664
509	Elijah Kabugi Kigongo	2579791	728115664
510	Elijah Kabugi Kigongo	2579796	728115664
511	Elijah Kabugi Kigongo	2579799	728115664
512	Kariuki Peter Kamau	2581037	724611647
513	Kariuki Peter Kamau	2581036	270230908
514	Kariuki Peter Kamau	2581034	720713308
515	Kariuki Peter Kamau	2581033	734641924
516	Kariuki Peter Kamau	2581032	725965281
517	Kariuki Peter Kamau	2581028	724611647
518	Mulwa Onesmus Mauta	2579542	725056079
519	Mulwa Onesmus Mauta	2579544	722553257
520	Mulwa Onesmus Mauta	2579547	020-223045
521	Mulwa Onesmus Mauta	2579549	
522	Mulwa Onesmus Mauta	2579551	727402228
523	Mulwa Onesmus Mauta	2579553	724114587
524	Mulwa Onesmus Mauta	2579554	720423847
525	Mulwa Onesmus Mauta	2579556	723291211
526	Mulwa Onesmus Mauta	2579578	724455550
527	Mulwa Onesmus Mauta	2579580	722621812
528	Mulwa Onesmus Mauta	2579581	722012124
529	Mulwa Onesmus Mauta	2579585	722012124
530	Angela Mutindi Kiama	2579568	735880957
531	Nzuki Joseph Mutuku	2579643	723729873
532	Veronicah Akinyi Otieno	2579720	721215112
533	Veronicah Akinyi Otieno	2579722	721215112
534	Veronicah Akinyi Otieno	2579727	721215112
535	Veronicah Akinyi Otieno	2579734	721215112
536	Veronicah Akinyi Otieno	2579737	721215112
537	2579569	734699089	
538	Shego Hussein Ali	2579718	726813856
539	Mutiso Vincent Mutua	2579558	723349873
540	Mutisya Richard Mutuku	2582903	720735520
541	Mutule Bonface Masinde	2579762	723082870
542	Kabutu Moses Gitatha	2579576	722256658
543	Veronicah Akinyi Otieno	2579741	725757387
544	Veronicah Akinyi Otieno	2579742	725024596
545	Munene Ngugi Dominic	2579560	725319468
546	Wanjohi Peter Mburu	2579561	722245819

547	Nthenge Teresia Mwikali	2582908	733866953
548	Amina Issa	2579809	
549	Karanja Suleiman Muchai	2579644	721785421
550	Karanja Suleiman Muchai	2579646	726161134
551	Rimungi Francis Njoroge	2582867	726276508
552		2580941	721729643
553	Mageria John Bichanga	2579847	722160379
554	Mageria John Bichanga	2579848	722663277
555	Mageria John Bichanga	2579849	726528390
556	Mageria John Bichanga	2579851	735169705
557	Mageria John Bichanga	2579852	721664977
558	Mageria John Bichanga	2579854	721139842
559	Mageria John Bichanga	2579855	735508338
560	Mageria John Bichanga	2579856	733529002
561	Elijah Kabugi Kigongo	2580107	728115664
562	Ndungu Ann Njeri	2579555	723697324
563	Kimani Kibue Peter	2579545	721788650
564	Kamoshi Sammy Thogotho	2579895	723447599
565	Kinyua Joseph Njoroge	2579572	720410675
566	Kilange Joseph Mbuyi	2579562	729321377
567	Njoroge	2582901	727543787
568	Kimani John Njenga	2579812	722981101
569	Kimani John Njenga	2579844	724042580
570	Kimani John Njenga	2579841	723545508
571	Kimani John Njenga	2579838	720729016
572	Kimani John Njenga	2579837	724042580
573	Kimani John Njenga	2579833	726581667
574	Kimani John Njenga	2579831	
575	Kimani John Njenga	2579821	726770428
576	Abdi Mola	2579619	720459799
577	Abdi Mola	2579636	729045240
578	Abdi Mola	2579631	725686887
579	Abdi Mola	2579625	724606672
580	Abdi Mola	2579623	720082210
581	Abdi Mola	2579620	726810152
582	Mwangi Peter Waweru	2579640	720352851
583	Miriam Waweru Nkatha	2579872	722753927
584	Miriam Waweru Nkatha	2579877	
585	Miriam Waweru Nkatha	2579891	
586	Miriam Waweru Nkatha	2579880	722753927
587	Miriam Waweru Nkatha	2579883	722753927
588	Miriam Waweru Nkatha	2579887	722753927
589	Kennedy Muia Musyoka	2579579	721358269
590	Kennedy Muia Musyoka	2579583	721358269
591	Kennedy Muia Musyoka	2579586	725787280
592	Kennedy Muia Musyoka	2579588	726242197

593	Kennedy Muia Musyoka	2579589	721358269
594	Kennedy Muia Musyoka	2579593	722522941
595	Kennedy Muia Musyoka	2579597	726322838
596	Kennedy Muia Musyoka	2579598	726322838
597	Kennedy Muia Musyoka	2579602	727934515
598	Kennedy Muia Musyoka	2579605	
599		2579564	724795284
600	Salim Juma Ali	2579552	720448363
601	Joseph Mutua Maweu	2579857	720314387
602	Charles Nderitu Wainaina	2580444	722785035
	03/07/2007		
603	Maluki Kativa	2579755	726904990
604	Tsuma Kalume	2579757	728809501
605	Tsuma Kalume	2580049	020-224167
606	Tsuma Kalume	2580044	534410
607	Tsuma Kalume	2580039	725013140
608	Tsuma Kalume	2580036	224167
609	Tsuma Kalume	2580033	723477752
610	Tsuma Kalume	2580029	723482901
611	Tsuma Kalume	2580027	727226983
612	Tsuma Kalume	2580026	728809501
	04/07/2007		
613	Kadulenge Victor Kigaro	2580276	721615104
614	Kadulenge Victor Kigaro	2579743	729362568
615	Kadulenge Victor Kigaro	2579746	722406195
616	Kadulenge Victor Kigaro	2579747	720087254
617	Kadulenge Victor Kigaro	2579748	728135177
618	Kadulenge Victor Kigaro	2580279	721999892
619	Kadulenge Victor Kigaro	2580281	720070918
620	Kadulenge Victor Kigaro	2580282	720776831
621	Kadulenge Victor Kigaro	2580284	724434536
622	Charles Nderitu Wainaina	2580444	722587035
623	Arunda Charles Okumu	2580634	725906450
624	Arunda Charles Okumu	2580635	72229805
625	Arunda Charles Okumu	2580636	020-890483
626	Arunda Charles Okumu	2580638	722298605
627	Arunda Charles Okumu	2580639	72229860.5
628	Kanini Mary Muthoni	2580659	724431218
	09/07/2007		
629	Mwangi Johnson Njoroge	2582911	721842969
	10/07/2007		
630	Njeri Wainaina	2582546	727996807
	11/07/2007		
631	Soweto Usafi Group	2582879	
632	Mwangi Jackson Maina	2582980	722940447
633	Mwangi Jackson Maina	2582990	722940447

634	Mwangi Jackson Maina	2582985	722940447
635	Ushirika Wa Usafi Kibera	2583056	720069472
	12/07/2007		
636	Kiteta Benson Kithuku	2583588	722624289
637	Mailu Lawrence Mutuku	2583669	723445439
	13/07/2007		
638	Muriki Lucy Njeri	2583807	722436130
639	Wanjohi Daniel Wanderi	2583811	722974761
	17/07/2007		
640	David Nganga	2584783	722385917
641	Mutemi George Mutiso	2584810	725175480
642	Thuranira Solomon Kimathi	2584969	722590286
643	Thuranira Solomon Kimathi	2584972	722590286
644	Thuranira Solomon Kimathi	2584976	720533921
645	Thuranira Solomon Kimathi	2584978	723382590
646	Thuranira Solomon Kimathi	2584981	721442191
647	Thuranira Solomon Kimathi	2584982	N/A
	20/07/2007		
648	David Wambura Mwikware	2586827	727630744
649	Thigiri John Mwangi	2586875	725236214
650	Thigiri John Mwangi	2586876	722632480
651	Thigiri John Mwangi	2586877	733284029
652	Thigiri John Mwangi	2586878	721793911
653	Thigiri John Mwangi	2586879	725622560
654	Thigiri John Mwangi	2586880	721395328
655	Thigiri John Mwangi	2586881	721164436
	23/07/2007		
656	Mutemi George Mutiso	2587268	720211868
	24/07/2007		
657	Afubwa Richard Kamala	2588166	720452896
	25/07/2007		
658	Nzangi John Ngolla	2588686	721324849
	27/07/2007		
659	Annastacia katumbi muli	2589873	722556623
660	Karanja Suleiman Muchai	2589974	721785421
	30/07/2007		
661	Macharia Jackson Kuria	2590802	721819982
662	Onyango George Ongaro	2590798	
	31/07/2007		
663	Kasimu John Kamota	2591381	733877744
	01/08/2007		
664	Ngige Catherine Wairimu	2591976	722474641
665	Keshoro Njoki Frecia	2591981	723928822
666	Mwikali Virginia Joseph	2591985	721886006
667	2592026	723747853	
	02/08/2007		

668	Joseph Kabuvi Njaramba		2592375		721576279
669	Muturi John Muchiri		2592492		726847132
670	Mutisya Bernard Muema		2592625		722494706
	03/08/2007				
671	Kuria Peter Irungu		2592950		725906403
672	Kuria Peter Irungu		2592953		722906403
	07/08/2007				
673	Mission Outreach Church		2594126		722808831
674	Mission Outreach Church		2594123		722808831
	08/08/2007				
675	Stephen Kiminda kamau		2594841		721739729
677	Stephen Kiminda kamau		2594846		721739729
	09/08/2007				
678	2595251	723447599			
679	Gichigwa Geoffrey Maina		2595204		723144554
680	Gichigwa Geoffrey Maina		2595404		723144554
681	Gichigwa Geoffrey Maina		2595406		723144554
682	Gichigwa Geoffrey Maina		2595408		723144554
683	Gichigwa Geoffrey Maina		2595410		723144554
684	Gichigwa Geoffrey Maina		2595411		723144554
685	Gichigwa Geoffrey Maina		2595417		723144554
	10/08/2007				
686	Hussein Ali Shego		2595690		
687	Mwangi Josphat Njuguna		2595877		720288790
688	Mwangi Josphat Njuguna		2595884		
689	Mwangi Josphat Njuguna		2595885		720582899
690	Otete Michael		2596022		720764853
691	Otete Michael		2596023		723606383
692	Otete Michael		2596025		725289373
693	Otete Michael		2596026		721724033
	20/08/2007				
694	Kamadi Benson Olodo		2599170		724667681
695	Kamadi Benson Olodo		2599171		724667681
	23/08/2007				
696	Mutiso Mauye		2600742		734802967
	24/08/2007				
697	Mbuva Lazarus Muthiani		2600945		735383370
698	Mwangi Benson		2601006		721477998
	28/08/2007				
702	Kamau Njeri Veronicah		2602868		722779249
	29/08/2007				
699	Kamadi Benson Olodo		2603078		721620284
700	Kamadi Benson Olodo		2603082		734527150
701	Ali khamasa		2603151		720685541
	05/09/2007				

703	Wambui Esther Kungu		2605126		724734142
704	Mariba Dick Mwituri		2606423		721877552
	06/09/2007				
705	Ali Yunus Mohamed		2606813		720237966
706	Kariuki Eva Muthoni		2607570		721205417
707	Anemba Kefa Okoko		2607198	N/A	
708	Kitiwi Agnes Ndunge		2607584		722383290
709	Kibandi Mburu		2607581	N/A	
780	Kahare Isaac Ndirangu		2607585		724727642
	07/09/2007				
781	Mutua Isina		2607689		710794871
782	Ndungu Joseph Kamau		2607820		727792690
783	2608039	720268468			
784	Njaaga Francis Kimani		2608787		721610293
	11/09/2007				
785	Irungu George Mwangi		2609289		723259854
786	2609415	725734234			
787	Irungu Emmanuel Maina		2609563		720330098
788			2609589		722110334
789	Paul Migwi Michuki		2609487		721777044
	12/09/2007				
790	Laini Saba Assembly		2610012		726465428
791	Charles Wainaina Nderitu		2610062		722587035
	13/09/2007				
792	Hoho James Gikonyo		2610495		721467942
793	James Bosire Abuya		2610528	N/A	
794			2610548		722557793
	14/09/2007				
795	George Otieno Odhare		2610997		724423121
796	George Otieno Odhare		2610998		723847250
797	George Otieno Odhare		2611001		729206946
798	George Otieno Odhare		2611001		728722156
799	George Otieno Odhare		2611002		727338099
800	Jones Wambua Kakulu		2610878		722990533
801	Jones Wambua Kakulu		2610871		720491033
802	Jones Wambua Kakulu		2610872		727740356
803	Jones Wambua Kakulu		2610870		723619040
804	Jones Wambua Kakulu		2610865		710269792
805	Jones Wambua Kakulu		2610875		722418193
806	Jones Wambua Kakulu		2610869		725267700
807	Jones Wambua Kakulu		2610867		733624148
807	Kiarie Emmah Wambui		2611049		733750070
808	Otete Michael Osembo		2611115		728669594
809	Otete Michael Osembo		2611116		722221451
810	Otete Michael Osembo		2611117		734419613
	17/09/2007				

811	Mwandihni Moses Kubuka	2611227	720407268
812		2611423	722395238
813		2611417	722395238
814	Wanyiri James Mwangi	2611469	720141592
815	Waweru Christopher Mohoro	2611532	720262012
816	Waweru Christopher Mohoro	2611534	721746704
817	Waweru Christopher Mohoro	2611536	721725908
818	Waweru Christopher Mohoro	2611539	721730500
819	Maingi John Kimeu	2611541	722737707
	18/09/2007		
820	Waweru Christopher Muhoro	2611820	720763731
821	Githinji Edward Githinga	2611845	722972804
822	Chumba Silvesta Mwangi	2611878	721249263
823	2611880 724708979		
824	Erickson Mutinda Ngui	2611901	72790713
825	Musembi James Mutuku	2611919	721514809
826	Musembi James Mutuku	2611917	721514809
	19/09/2007		
827	Kamuyu Michael Miruru	2612183	727684726
828	Odero Victor Ochieng	2612194	728053813
829		2612214	734239375
830	Mugo Solomon Mwangi	2612229	726872233
831	Mwangi Peter Githinji	2612236	722245945
832	Njoroge Teresia Muthoni	2612232	N/A
833	Andrea Otemba Mugera	2612250	720861240
	20/09/2007		
834	Munene Nugugi Dominic	2612649	710807170
835	Munene Nugugi Dominic	2612648	710807170
836	Mutukho Joseph Amimo	2612646	726308196
837	Mutukho Joseph Amimo	2612644	726308196
838	Mutukho Joseph Amimo	2612645	726308196
839	Mutukho Joseph Amimo	2612647	726308196
	21/09/2007		
840	Nganga John Waweru	2567059	721902035
841	Mbugua John Ngige	2612957	726340840
842	Warui Njeri	2612996	N/A
843	Mwangi Patrick Kamau	2613057	723769107
844	Stephen Kariuki	2613078	724375136
845	Njuki Simon Murithi	2613080	720377852
846	Veronicah Akinyi Atieno	2613128	721215112
847	Veronicah Akinyi Atieno	2613129	721215112
848	Veronicah Akinyi Atieno	2613130	721215112
849	Veronicah Akinyi Atieno	2613131	721215112
850	Veronicah Akinyi Atieno	2613132	721215112
	24/09/2007		
851	Randere Joseph Otieno	2613217	723586424

852	Randere Joseph Otieno	2613215	723586424
853		2613354	N/A
854	Gachuru David Chege	2613405	N/A
855	Gachuru David Chege	2613404	724744287
856	Gachuru David Chege	2613402	710437868
857	Gachuru David Chege	2613401	722826782
858	Gachuru David Chege	2613399	722826782
859	Gachuru David Chege	2613408	722826782
860	Gachuru David Chege	2613407	722826782
861	Gachuru David Chege	2613406	727830884
862	Shego Hussen Ali	2613412	726807355
863	Titus Mbuvi Munyokio	2613414	720294837
864	Mwangi James Muriuki	2613439	722622541
865		2613493	733518112
866	Josphat Mitau Kiluli	2613327	724395953
867	Muoki Peter Nzau	2613244	720682558
868	Otieno George Ogola	2613339	724320180
869	Otieno George Ogola	2613338	721533350
870	Mwangi Mary Muthoni	2613382	N/A
	25/09/2007		
871	Wanjohi Peter Wachira	2613652	725218954
872	Kiboko Bernard Mwangi	2613664	722262461
873	Kiboko Bernard Mwangi	2613672	735257617
874	Kiboko Bernard Mwangi	2613672	722262461
875	Kiboko Bernard Mwangi	2613668	722406833
876	Kiboko Bernard Mwangi	2613667	728234195
877	Mwangi Paul Mucheru	2613838	722590485
878	Mwangi Jackson Maina	2613948	721751784
879	Galgalo Rahim Abukula	2614017	720742120
880	Galgalo Rahim Abukula	2614018	720742120
881	Galgalo Rahim Abukula	2614019	720742120
882	Galgalo Rahim Abukula	2614021	720742120
883	Galgalo Rahim Abukula	2614022	720742120
	26/09/2007		
884	Kyule Jane Wanza	2614202	722297462
885	Nzula Kennedy Mbithi	2614260	736924841
886	Mutua Mwilu	2614303	727527352
887	Samuel Munyiri Mirari	2614351	720278665
888	Kimani Sammy Mwangi	2614464	722368602
889		2614692	722268357
890		2614697	722368357
	27/09/2007		
891	Njoroge Teresia Muthoni	2614816	722707548
892	Wanjiku Eunice Mbuthia	2614284	720909598
893	Rukuo Geoffrey Kamotho	2614849	722242323
894	Paul Thiongo Nganga	2614851	724668926

895	Samuel Thuo	2614871	727567544
896	Kiihuri Josphat Kagathi	2615374	720614127
897	Gerald Maina Njuki	2615399	723268618
898	Joseph Mbuthia Waweru	2615400	721894397
899	Ndunge Katura Jane	2615405	720013203
900	Thigiri John Mwangi	2615423	721933188
	28/09/2007		
901	Kiilu Annah Mutono	2615828	729336599
902	Otieno George Ogola	2615843	723176226
903	Mutisya Pius Wambua	2614533	734626733
904	Wamithi Peter Peterson	2616020	720172675
905	Wanjer Margaret Chege	2616031	720726950
906	Kiboko Bernard Mwangi	2616062	7222662461
907	Musioka Kennedy Muia	2616078	721358269
	01/10/2007		
908	David Kiilu Kamangi	2616658	735485755
909	Kamuti Cyrus Sila	2616660	723238968
910	Otete Michael Osembo	2616682	722823841
911	Kioko Joseph Chumo	2616732	725490940
912	Abdi Abdu Hamisi	2616774	725641026
913	Karanja Peter Muturi	2616776	726410404
914	Dihanda Evans Fabiano	2616783	726497589
915	Maina Francis Njoroge	2616786	N/A
916	Njambi Regina Mucheru	2616787	N/A
917	2616789	N/A	
918	Julius Ndegwa	2616913	726310781
919	Muthubi John Nganga	2616911	722780236
920		2616742	720571906
921	Nyaribari Evans Nyakangi	2616788	N/A
922	Mutia Patrick Chege	2616755	720143078
923	Apundo Charles Otuka	2616530	725918917
924	Apundo Charles Otuka	2616532	724619984
925	Apundo Charles Otuka	2616535	720676802
926	Apundo Charles Otuka	2616538	721115893
927	Apundo Charles Otuka	2616537	721786051
928	Apundo Charles Otuka	2616536	722829877
	02/10/2007		
929	Kuria Peter kanyi	2617154	720710738
930	Nderitu Francis Waigwa	2617229	724485458
931	David Charama Nyaswabu	2617287	736318088
932	David Charama Nyaswabu	2617290	736318088
933	David Charama Nyaswabu	2617298	N/A
934		2617314	721987041
935	Kamau Patrick Ngebe	2617129	N/A
936	Munge Samuel Kiguthi	2617127	N/A
937	Mwangi Joseph Muriithi	2617333	72635429

938	Kamau Ndungu Joseph		2617402		727792690	
939	Bacha Jenniffer Wanjiru		2617400		721206558	
940	Kariuki Samuel Njoroge		2617398		721687327	
941	Mutisya Pius Wambua		2617397		721687327	
	03/10/2007					
942	Mutisya Josphine Ngina		2617738		724939446	
943	Magucha Felix Nyambane		2617786		724473899	
944	Magucha Felix Nyambane		2617790	N/A		
945	Magucha Felix Nyambane		2617794	N/A		
946	Magucha Felix Nyambane		2617795	N/A		
947	Magucha Felix Nyambane		2617796	N/A		
948	Njoroge Edwin Njuguna		2617891		720884146	
949	Mbugua John Waitthaka		2617888		720774336	
950	Felista Ngalyuka Mwaniki		2617973		724613366	
951	Wario Abdi Dida		2618074		728788790	
952	Wario Abdi Dida		2618065		721687152	
953	Wario Abdi Dida		2618068		734586863	
854	Wario Abdi Dida		2618071		726171360	
955	Thuo Charles Mwangi		2618090		722808214	
	04/10/2007					
956	Rukunga William Baaru		2618307		722557345	
957	Afubwa Richard Kamala		2618433		720452896	
958	Kitaka Mutua		2618441		733629727	
959	2618499	720290062				
960	2618501	728659756				
961	2618502	726237097				
962	2618505	735783074				
963	2618508	N/A				
964	Warui Jacinta Njoki		2618539		722319884	
965			2618623		721876663	
966	Mwende Rose Kioko		2618628		720849580	
967	Maina Francis Kabui		2618653		722473670	
968	Warui Njeri		2618589		728042028	
969	Warui Njeri		2618588		722165085	
970	Warui Njeri		2618586		729062594	
971	Warui Njeri		2618639	N/A		
972	Warui Njeri		2618636		722943405	
973	Warui Njeri		2618598		721916250	
974	Warui Njeri		2618594		721308893	
975	Warui Njeri		2618591	N/A		
976	2618701	721241734				
977	Onyago Monis		2618711		721782515	
978			2618713		720763731	
979			2618751		720497776	
980	Mwai Poul Maina		2618754		726680163	
981	Mwangi Agnes Wangui		2618774		720448483	

982	Kimathi Joel M,njuki	2618783	722783574
983	Omari Ali	2618801	722487910
984	Joseph Mbugua	2618918	723938083
	05/10/2007		
985	Mugo John Karuga	2619036	722281270
986	Mweni christine Kamuya	2619304	728541861
987		2619352	723319612
988	Kyuli Alexander Mateli	2619407	721729329
	08/10/2007		
989	Matheka Naomi Nzula	2619635	721460232
990	Matheka Naomi Nzula	2619637	723418126
991	Matheka Naomi Nzula	2619638	728219860
992	Matheka Naomi Nzula	2619636	725588938
993	Nganga Jeremiah Thangu	2619645	725681175
994	Kagunda James Nganga	2619780	721794905
995	Masere Willis Arianda	2619785	726826272
996	Ngunjiri Benson Thumbi	2619889	722617236
997		2619894	722876373
998	Amani John Sagara	2619966	
999	Githinji Margaret Mumbi	2620038	
1000	Mwongera Robert Mberia	2619968	721432035
	09/10/2007		
1001	Maithya Mutiso Martina	2620557	721576307
1002	Makau Rose Ndulu	2620631	729336599
1003	Nguva Jared Ochieng	2620739	733838942
	11/09/2007		
1004	Nderitu Harnson Kimotho	2620910	722121608
1005	Mbugua James Mamu	2621028	722490277
1006	Ndungu Joyce Kanini	2621083	
1007	Muriithi Francis	2621250	723332828
1008	Mwangi James Muriuki	2621383	722622541
	12/10/2007		
1009	Kamau Mwangi Patrick	2621485	723769107
1010	Mwololo Robert Musteti	2621593	721453680
1011	Mbugua David Kariuki	2621592	725830839
1012	Wilson Muga Chege	2621631	722254621
1013	Paul Nganga Gathara	2621680	720901574
1014	Kilovia Masyoku	2622297	720515256
	15/10/2007		
1015		2622500	720247505
1016	Okeyo Julius Samoh	2622533	734596335
1017	Okeyo Julius Samoh	2622534	729497700
1018	Okeyo Julius Samoh	2622536	724751586
1019	Okeyo Julius Samoh	2622537	
1020	Okeyo Julius Samoh	2622538	
1021	Okeyo Julius Samoh	2622540	724751586

	16/10/2007			
1022	Mutua Julius Masai	2622709	722212144	
1023	Ayot Domtilla Atieno	2622845	721435417	
1024	Ayot Domtilla Atieno		721435417	
1025	Joseph Simon Ngige	2622852	726396483	
1026	Makau James Mwololo	2622900	720388625	
1027	Ngugi Paulina Wanjiku	2623175	723743030	
1028	Maina John Macharia	2623284	724407414	
	17/10/2007			
1029	Mwema Patricia Mumbua	2623539	722674225	
1030	Rose Boaz Salamba	2623587	721923799	
1031	Ngigi Samuel Kibandi	2623681	724918110	
	18/10/2007			
1032	Akhura Electina Males	2624115	727946818	
1033	Akhura Electina Males	2624116	727946818	
1034	Atuta ZakariaMurunda	2624234	720558203	
1035	Abdu Hassan	2624249	720956349	
1036	Kabugi Joseph Kigongo	2624340	728115664	
1037	Purity Kananu	2624464	736594613	
	19/10/2007			
1038		2624985	721833206	
1039		2624992	721833206	
1040	Kariuki Gaitu Githiri	2625073	721379667	
1041	Michael Kungu Mwai	2625075	722262382	
1042	Julius K Musau	2625100	723808084	
1043	Shisungu Nicholas Ehiri	2625111	735181768	
	22/10/2007			
1044	Samuel Thuo Chuhi	2625471	727567544	
1045	Kimani Susan Wanjiku	2625764	723900953	
	23/10/2007			
1046	Alexander Nganga Tuva	2625807	723384496	
1047	Musila Ismael Mbunzi	2625876	733758024	
1048	Mohamed Ismael Ali	2625881	729033562	
1049	Ndivo Daniel Mwanja	2626086	733844038	
1050	Njeri Wainaina	2626146	N/A	
	24/10/2007			
1051	Karanja Peter Muturi	2626610	723410404	
1052		2626736	721833206	
1053		2626740	721833206	
1054	Francis Gema Ndimu	2626898	N/A	
	25/10/2007			
1055	Mwangi Francis Kanyau	2627052	720445159	
1056	Mwangi Francis Kanyau	2627050	725750546	
1057	Mwangi Francis Kanyau	2627047	723102990	
1058	Mwangi Francis Kanyau	2627043	724783925	
1059	Mwangi Francis Kanyau	2627076	726111306	

1060	Mwangi Francis Kanyau	2627096	720466494
	26/10/2007		
1061	Joyce Wanjiku	2627825	720874892
1062	Thuku Joseph Nduku	2627920	729616684
1063	Njoroge Teresia Muthoni	2612232	722707548
	29/10/2007		
1064	Mungai Anne Wanjiku	2628413	737884023
1065	Mwaniki Peter Njuguna	2628400	722646362
1066	Meshaka Khasukhulu	2628638	N/A
	30/10/2007		
1067	Maurice Masau Kilango	2629016	722680133
1068	Jabir Abdul Ramadham	2629054	20-3500775
1069	Mwai Evan Kimotho	2629078	722945219
1070	Omar Hussen Hamsa	2629001	735524304
	31/10/2007		
1071	Nzula Kennedy Mbithi	2629923	736924841
	01/11/2007		
1072	2630304		725490940
	02/11/2007		
1073	Kingao Muasya	2631034	727416664
1074	Esther Nyambura Bacha	2631110	722873000
1075	Mutungu Mercy Wanjiku	2631111	722708477
1076	Kariuki Frecia Waithaka	2631116	722316785
	05/11/2005		
1077	George Githiru Mwangi	2631592	72059785
1078	Nekosi Wilson Tuti	2631560	721218131
	06/11/2007		
1079	Okeyo Julius Samoh	2631724	725565211
1080	Mwai Juliah Njambi	2631816	723795710
1081	2632032	722230569	
1082	Pius Njogu Isaiha	2632055	721833206
1083	Mercy Wanjiku Muraguri	2632057	722444871
	07/11/2007		
1084	Kaburu James Bundi	2632522	729430451
1085	Kaburu James Bundi	2632524	729430451
1086	Mwoja Rael Gaceri	2632635	720241526
1087	Waweru miriam Nkatha	2632636	722753927
	08/11/2007		
1088	Catherine Njeri Maina	2633112	723297067
1089	Sarah Ruguru Chege	2632784	722378798
	09/11/2007		
1090	Madegwa Agnes Shitoro	2633506	722761632
1091	Njoroge James Karanja	2633705	722996776
	12/11/2007		
1092	Oginda Fred Motori	2634154	721514401

1093	Oginda Fred Motori	2634152	721514401
1094	Oginda Fred Motori	2634160	
1095	Oginda Fred Motori	2634161	726892109
1096	Oginda Fred Motori	2634157	726537322
1097	Wanjohi Gladys Gatiga	2634194	720439851
1098	Mulwa Benard Musau	2634201	722241227
1099	Ndululu Charles Mbindyo	2634208	725958932
1100	Moses Kimani	2634220	726667316
1101	Nekosi Wilson Tuti	2634275	721218131
1102	Nekosi Wilson Tuti	2634277	728053337
1103	Nekosi Wilson Tuti	2634281	727914563
1104	Nekosi Wilson Tuti	2634279	729885885
1105	Nekosi Wilson Tuti	2634278	726893838
1106	Mutungi Wilson Mutisya	2634370	722734335
1107	Thigiru Nicholas Kamau	2634438	725977606
1108	Thigiru Nicholas Kamau	2634442	721420135
1109	Thigiru Nicholas Kamau	2634440	720238210
1110	Thigiru Nicholas Kamau	2634445	727825585
1111	Thigiru Nicholas Kamau	2634448	726485117
1112	Njogu Hannah Wanjira	2634609	726315900
1113	Njogu Hannah Wanjira	2634611	720317603
1114	Njogu Hannah Wanjira	2634607	720087209
1115	Njogu Hannah Wanjira	2634593	722809630
1116	kaseke Kyalo Munguti	2633830	720579578
	13/11/2007		
1117	Mourice John Kioma	2634963	728244219
	14/11/2007		
1118	Thigiru Nicholas Kamau	2635714	721334583
1119	Thigiru Nicholas Kamau	2635709	720025708
1120	Njihia Joseph Mwangi	2635737	724357275
	15/11/2007		
1121	Njagi Ngoroi Seleste	2636180	720572274
1122	Mwaura Peter Kamau	2636365	727752437
1123	Omotondo Damary Auko	2636499	720430969
1124	Omotondo Damary Auko	2636513	720430696
1125	Omotondo Damary Auko	2636506	720430696
1126	Omotondo Damary Auko	2636508	720430696
1127	Omotondo Damary Auko	2636503	720430696
1128	Omotondo Damary Auko	2636500	720430696
	16/11/2007		
1129	Kamau Isaac Kimotho	2636706	725803477
1130	Kamau Isaac Kimotho	2636720	725803477
1131	Kamau Isaac Kimotho	2636718	725803477
1132	Kamau Isaac Kimotho	2636716	725803477
1133	Kamau Isaac Kimotho	2636715	725803477
1134	Kamau Isaac Kimotho	2636714	725803477

1135	Kamau Isaac Kimotho		2636713	725803477
1136	Kamau Isaac Kimotho		2636712	725803477
1137	Kamau Isaac Kimotho		2636711	725803477
1138	Kamau Isaac Kimotho		2636709	725803477
1139	Kamau Isaac Kimotho		2636707	725803477
1140	Muhuro Bernard Njuguna		2637047	733984678
	19/11/2007			
1141	Odari Thomas Iganihizu		2637433	724426359
1142	Virginia Gatabi		2637631	724232210
1143	Salome Mukiri		2637681	722618617
1144	Salome Mukiri		2637674	722618617
1145	David Maina Gathuo		2637724	721341483
	20/11/2007			
1146	Thigiru Nicholas Kamau		2638030	724394116
1147	Mwangi Stephen Njoroge		2638259	726068399
1148			2638327	726581831
	21/11/2007			
1149	Luvanda Bernard Kafunja		2638637	725218958
1150	Luvanda Bernard Kafunja		2638625	72277379
1151	Luvanda Bernard Kafunja		2638632	725218958
1152	Luvanda Bernard Kafunja		2638634	724826309
1153	Luvanda Bernard Kafunja		2638630	727299848
1154	Luvanda Bernard Kafunja		2638629	721442014
1155	Luvanda Bernard Kafunja		2638635	722820247
1156	Musilu Bernard Muthini		2638993	720656913
1157	Musilu Bernard Muthini		2638994	721784256
1158	Musilu Bernard Muthini		2689995	726311509
1159	Musilu Bernard Muthini		2638996	723919906
1160	Musilu Bernard Muthini		2638997	725113462
1161	Waweru Grace Wanjiru		2639017	722977483
1162	Musyoka Raphael Nzive		2639244	722657771
	22/11/2007			
1163	Ramadhan Toma		2639572	722134492
1164	Nekosi Wilson Tuti		2639733	720144795
1165	Ayuo Martin Ochieng		2639854	724729785
	23/11/2007			
1166	Orodo Reuben Ondigu		2640041	724538571
	26/11/2007			
1167	David kirema		2640559	722640855
1168	2640504	723452788		
1169	Njoroge Susan Wanjiru		2640619	722484325
	27/11/2007			
1170	Douglas Ouma		2640926	722840691
1171	Mwangi James Muriuki		2641162	722622541
	29/11/2007			
1172	Maina Faith Nyawira		2642778	722426631

1173	Mwangi Peter Waweru	2642859	720322851
1174	Mwangi Gibson Marubu	2642897	720711115
	30/11/2007		
1175		2643414	722426631
1176	Okello Rashid Abdallah	2643461	723210714
1177	Njoroge Susan Wanjiru	2643482	722484325
	03/12/2007		
1178	Ongalo Mathewstoeny Ogudah	2643633	725235189
1179	Ongalo Mathewstoeny Ogudah	2643634	725472164
1180	Nekosi William Tuti	2643833	724362050
1181		2643957	725799064
1182	Otete Michael Osembo	2644036	724377260
1183	Kiarie Michael Mungai	2644256	725213366
	05/12/2007		
1184	Kariuki Samuel Mwaura	2645114	720434912
1185	Ogembo Thomas Obuya	2645285	724529172
1186	Mwangi Duncan Mugo	2645306	720389347
	07/12/2007		
1187	Njoroge Boniface Simon	2646425	721383911
1188	Musyawa Kavilingi Alice	2646500	723416654
1189	Nicholas nzau	2646602	729437859
	10/12/2007		
1190	Mwaura Teresia Nduta	2647103	734753471
1191	Njeri Warui	2647132	720717540
1192	Njeri Warui	2647134	726770625
1193	Njeri Warui	2647135	723339607
1194	Njeri Warui	2647136	725823063
1195	Njeri Warui	2647137	
1196	Njeri Warui	2647138	723391374
1197	Njeri Warui	2647139	723461917
1198	Njeri Warui	2647140	721237316
1199	Luvanda Bernard Kafunja	2646798	722504720
	11/12/2007		
1200	Mary Orido Asiala	2647453	722617204
	14/12/2007		
1201	Mary Aluvanze	2648923	722506005
	18/12/2007		
1202	Nyoike George Njoroge	2650105	722257036
1203	Mburu John Kariuki	2650360	729905338
1204	mitukaa Ndolo	2650364	725257976
1205		2650366	721408511
1206	Kamandi Benson Olodo	2649512	720256841
	20/12/2007		
1207	Allied Plumber LTD	2634448	722765643
1208		2651374	711666027

	24/12/2007			
1209	Wahika Stephen Kiragu	2652626	725563565	
1210	Kamau Isaac Kimotho	2652746	733820940	
1211	Kamau Isaac Kimotho	2652745	733820940	
1212	Kamau Isaac Kimotho	2652743	733820940	
1213	Kamau Isaac Kimotho	2652735	733820940	
1214	Kamau Isaac Kimotho	2652734	733820940	
	15/01/2008			
1215	Muthui Domenic Macuki	2656788	722309241	
	18/02/2008			
1216	Ngige Simon Joseph	2666860	727447660	
1217	Ingati Samson Wamuleli	2666576	726396483	
	27/02/2008			
1218	Murimi Antony Muguru	2671509	721868897	
1219	2671972 722702020			
	03/03/2008			
1220	Omwaro Henry Kisia	2674310	722113220	
	10/03/2008			
1221	Mwaniki Francis Njoroge	2677567	722997266	
1222	Ali Omar Mohamed	2677605	720507601	
1223	Ali Omar Mohamed	2677608	720507601	
	17/03/2008			
1224	John Mwangi . C	2681531	72291308	
	20/03/2008			
1225	James Bundi Kaburu	2683859	729430451	
1226	James Bundi Kaburu	2683861	729430451	
1227	James Bundi Kaburu	2683864	729430451	
1228	James Bundi Kaburu	2683869	729430451	
1229	James Bundi Kaburu	2683874	729430451	
1230	James Bundi Kaburu	2683875	729430451	
1231	James Bundi Kaburu	2683577	729430451	
1232	James Bundi Kaburu	2683878	729430451	
1233	James Bundi Kaburu	2683879	729430451	
1234	James Bundi Kaburu	2683880	729430451	
1235	James Bundi Kaburu	2683883	729430451	
1236	James Bundi Kaburu	2683893	729430451	
	25/03/2008			
1237	Demetrios Amidala	2684506	724826420	
	26/03/2008			
1238	Mwangi David Karanja	2685747	722250184	
	01/04/2008			
1239	Samuel Kamau Muchina	2688077	722805538	
1240		2688232	722728970	
	08/04/2008			
1241	Peter Muhia Wanjiku	2692259	723335864	
	09/04/2008			

1242		2692652	723256509
	10/04/2008		
1243		2693131	727230878
1244	James Muigai Kirega	2693589	721272200
	11/04/2008		
1245	Nyaga Mary Marigu	2694109	020-2303035
1246	David Wachira	2694061	721833331
	16/04/2008		
1247	Omugabe Meshaka Khasakhala	2695945	710143971
1248	Omugabe Meshaka Khasakhala	2695943	710143971
1249	Omugabe Meshaka Khasakhala	2595940	710143971
1250	Omugabe Meshaka Khasakhala	2695937	710143971
1251	Omugabe Meshaka Khasakhala	2695932	710143971
1252	Omugabe Meshaka Khasakhala	2695928	710143971
1253	Omugabe Meshaka Khasakhala	2695925	710143971
1254	Omugabe Meshaka Khasakhala	2695921	710143971
	17/04/2008		
1255	Ajeeb Hamed Mohamed	2696336	721985321
1256	Ajeeb Hamed Mohamed	2696339	723289100
1257	Ajeeb Hamed Mohamed	2696349	734289000
1258	Ajeeb Hamed Mohamed	2696352	723122688
1259	Ajeeb Hamed Mohamed	2696358	726057434
	18/04/2008		
1260	Beatrice WAMBUI Mugi	2696941	720361896
1261	Mutugi Wilson Mwangi	2697292	721833206
	22/04/2008		
1262	Silas Kirimi	2698678	721756624
	25/04/2008		
1263	Ajeeb Mohamed Hamed	2700354	726057434
1265	Ajeeb Mohamed Hamed	2700350	726057434
1266		2700413	723941700
	29/04/2008		
1264	Allan Monyo Mudanyi	2701627	724856987
	30/04/2008		
1265	Isaac kamau Kimotho	2702287	725803477
1266	Isaac kamau Kimotho	2702286	725803477
1267	Isaac kamau Kimotho	2702285	725803477
1268	Isaac kamau Kimotho	2702280	725803477
1269	Isaac kamau Kimotho	7202310	725803477
	06/05/2008		
1270	Kamau Elidah Wangechi	2704191	N?A
1271	Nthenge Teresia Mwikali	2704241	733866953
1272	Nthenge Teresia Mwikali	2704244	733866953
1273	Nthenge Teresia Mwikali	2704246	733866953
1274	Nthenge Teresia Mwikali	2704247	733866953
1275	Nthenge Teresia Mwikali	2704249	733866953

1276	Ali Omar Mohamed	2704402	722648936
1277	Ali Omar Mohamed	2704403	722648936
1278	Ali Omar Mohamed	2704404	722648936
1279	Ali Omar Mohamed	2704405	722648936
1280	Ali Omar Mohamed	2704406	722648936
1281	Ali Omar Mohamed	2704408	722648936
1282	Ali Omar Mohamed	2704409	722648936
1283	Ali Omar Mohamed	2704410	722648936
1284	Ali Omar Mohamed	2704413	722648936
1285	Ali Omar Mohamed	2704414	722648936
1286	Ali Omar Mohamed	2704417	722648936
1287	Ali Omar Mohamed	2704418	722648936
1288	Ali Omar Mohamed	2704419	722648936
1289	Ali Omar Mohamed	2704424	722648936
1290	2704325		722267317
	07/05/2008		
1291	Sewe John Omai	2704890	720531715
1292	Awor Fredrick Omondi	2705273	720992153
	12/05/2008		
1293	Anna Nthunya Muli	2706977	723114313
1294	Maurice Arugwi Aluse	2706984	722882915
	15/05/2008		
1295	Leonard Ndeto Kisua	2709084	720581513
1296	Susan Gathoni Kiururi	2709094	722959885
1297	Ismail Amina Juma	2711478	721269081
1298	Geoffrey Wanjohi	2711954	N/A
	22/05/2008		
1299	Wanyoike Esther Wambui	2712670	724276324
1300	Wanyoike Esther Wambui	2712668	724276324
1301	Wanyoike Esther Wambui	2712669	724276324
1302	Wanyoike Esther Wambui	2712667	724276324
1303	Wanyoike Esther Wambui	2712681	724276324
1304	Wanyoike Esther Wambui	2712683	724276324
1305	Wanyoike Esther Wambui	2712684	724276324
	27/05/2008		
1306	Wanyoike Esther Wambui	2714116	724276324
1307	Wanyoike Esther Wambui	2714113	724276324
1308	Wanyoike Esther Wambui	2714110	724276324
1309	Wanyoike Esther Wambui	2714108	724276324
1310	Wanyoike Esther Wambui	2714106	724276324
1311	Wanyoike Esther Wambui	2714104	724276324
1312	Wanyoike Esther Wambui	2714102	724276324
1313	Wanyoike Esther Wambui	2714100	724276324
1314	Wanyoike Esther Wambui	2714098	724276324
1315	Wanyoike Esther Wambui	2714093	724276324

1316	Wanyoike Esther Wambui	2714091	724276324
1317	Wanyoike Esther Wambui	2714088	724276324
	28/05/2008		
1318		2714795	722670200
1319	Manjam Saada Abdulkadir	2714794	722670200
1320	Manjam Saada Abdulkadir	2714791	722670200
1321	Manjam Saada Abdulkadir	2714797	722670200
1322	Manjam Saada Abdulkadir	2714800	722670200
1323	Kibaya Edward Mangwali	2715036	721557797
1324	Allan Monyo Mudanyi	2715049	724856987
1325	Allan Monyo Mudanyi	2715047	724856987
	29/05/2008		
1326	Njuguna Beth Wambui	2715623	721633345

Table 6: Mathare Kosovo paid up customers
(KPLC Marketing Report as at January 2008)

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	LANDLORD	ID NO	MOBILE NO	POLE NO	TYPE OF CONNECTION
	22/10/2007				
1	Lukas Njoroge kamau	490434	N/A		Domestic
2	Kamau Muhanda	7159112	725367901	55	Domestic
	23/10/2007				
3	Njunge Peter	10225399	722853597	21	Domestic
	24/10/2007				
4	Peter Karanja Wanjiru	21441193	722613914	17	Domestic
	25/10/2007				
5	Thuo Paulacio Gitau	939911	722853597	67	Domestic
6	Kamau Moses Kanyi	21806673	723564321	67	Domestic
	26/10/2007				
7	Muthoni Margret Nga'nga	1907879	723411321	33	Domestic
8	Njeru margret Wanjiku	1859426	721841810	1	Domestic
9	Veronicah Wanja	10224144	724752416	40	Domestic
	29/10/2007				
10	Mwangi Marting Kariuki	13277788	720480219	48	Domestic
11	Kiranjo James Wamwea	4956906	N/A	7	Domestic
12	Florence Njoki Kamande	7185410	722853597	30	Domestic
13	Jamack Mbogo	21806673	723564321	67	Domestic
14	Joseph Kihumba Kibe	11182140	720539527	74	Domestic
	30/10/2007				
15	Muhanda Faith Wangari	1873601	725367901	74	Domestic

16	Gathungu Paul Gachuhi	1989120	727951638	39	Domestic
	31/10/2007				
17	Munya Peter Kiroto	8648993	720429463	23	Domestic
18	David Kagia Kuria	7878854	722896854	40	Domestic
	01/11/2007				
19	Migwi Giita	7328563	722853597	1	Domestic
	02/11/2007				
20	Nduru Margaret Wanjiku	3134918	729381845	19	Domestic
21	Thuo Joseph Gitau	21947456	720624465	33	Domestic
22	John Gachuhi Ngugi	3508660	724395611	64	Domestic
24	John Ndichu Ngige	820661	724157411	60	Domestic
	05/11/2007				
25	Kiiru Peter Kiragu	2007769	723944549	36	Domestic
26	Mumbi John Mwangi	11222405	723494975	2	Domestic
27	Njogu Henry Nganga	2928801	724812110	17	Domestic
	06/11/2007				
28	Naomi Njeri Kubai	11034895	720356122	43	Domestic
	07/11/2007				
29	Daniel Muguro Ngugi	7436872	723316121	11	Domestic
30	Maina Ishimael Wachira	12665481	723289371	46	Domestic
31	Festus Maina Chege	3209069	721650857	46	Domestic
	09/11/2007				
32	Evan Onsombi	25259473	725392654	12	Domestic
	13/11/2007				
33	James Kariuki		710662938	9	Domestic
34	James Muturi Maina	787235	726735490	9	Domestic
	15/11/2007				
35	Antony Kimani Magochi	21903646	724909314	71	Domestic
	16/11/2007				
36	Kamonjo Nyambura Elizabeth	3705342	722990965	67	Domestic
	19/11/2007				
37	Omolo George Onyango	7113858	721381610	13	Domestic
38	Ngaruiya Samuel Kimani	9267107	721883649	13	Domestic
39	Wairimu Joseph Muritu	2046179	723819602	94	Domestic
40	Kamau Pius Macharia	7437328	720736023	46	Domestic
41	Gakuru Kennedy Macharia	11767382	726634144	9	Domestic
	20/11/2007				
42	Mwangi Michael Kimani	788257	721611922	46	Domestic
43	Kanyi Kamau Moses	24658583	721371609	46	Domestic
	21/11/2007				
44	Kobe Samuel Odogo	16644585	733883085	28	Domestic
45	Kobe Samuel Odogo	10644585	733883085	28	Domestic
46	George Njomo Wamaita	22364791	721556642	60	Domestic
47	Francis Njuguna Nganga	972241	721556642	60	Domestic

48	Njenga Beth Njeri	941431	722375338	11	
	23/11/2007				
49	James Wamwea Kirango	4956906	720724025	70	Domestic
	26/11/2007				
50	Iraki Gachinga Joseph	10846047	722887618	63	Commercial
51	Nelson Irungu Mwangi	5067700	N/A	70	Domestic
52	Pharis Kariuki Wanjiru	9669685	N/A	19	Domestic
53	Muthee Kennedy Waituka	8583771	722267802	94	Domestic
	29/11/2007				
54	Jason Waweru Ngari	13563958	725631286	71	Domestic
	30/11/2007				
55	Daniel Katuku Mbui	3349228	726618381	78	Domestic
	04/12/2007				
56	Wilson Maina Nyambura	10475243	720590988	15	Domestic
57	Ateya Joyce Kerudo	20965580	726508595	45	Domestic
	10/12/2007				
58	Karanja Joseph Kairu	20045494	722487512	70	Domestic
	11/12/2007				
59	John Irungu Mwaura	11100133	720220044	65	Domestic
	13/12/2007				
60	Kamau Luicas Njoroge	490434	723325548	58	Domestic
61	Kuria Stephen Murigi	1813580	729924566	66	Domestic
	14/12/2007				
62	Maina Joyce Wangari	1274566	720339558	8	Domestic
	17/12/2007				Domestic
63	Ndungu Francis Mburu	4817256	722890337	7	Domestic
64	Njeri Joseph Maina	13164040	723494917	76	Domestic
65	Muthere Andrew Maina	9270504	735822060	94	Domestic
66	Charles Wambugu Kariuki	3207647	723853597	60	Domestic
	18/12/2007				
67	Swaleh Mohammed	N/A	722859453	18	Domestic
	20/12/2007				Domestic
68	Ngariu Joseph Kuria	6474587	722566371	46	Domestic
	14/01/2008				
69	Maithya Joseph Muthami	11100092	726029666	11	Domestic
	26/01/2008				
70	Wairimu Elizabeth	7159179	721235536	36	Domestic
	11/02/2008				
71	Godfrey Gichuki Waitthaka	1906433	722325050	71	Domestic
	12/02/2007				
72	Wamuti Paul Ruingi	25581065	724138813	40	Domestic
	14/02/2007				Domestic
73	Ngugi Evans Njoroge	21149223	710908824	36	Domestic
74	Karithi James Riara	20422416	723367107	94	Domestic

	15/02/2008				
75	Thiga Simon Ruri	818588	726634143	84	Domestic
76	Mwangi Wilson Gitonga	8923513	N/A	84	Domestic
	18/02/2008				
77	Iithagi Cyrus Mwangi	3343989	725968133	14	Domestic
78	Thuo Njogu Titus	24844177	720257769	72	Domestic
	25/02/2008				
79	Maina Teresia Njeri	3654879	723495274	92	Domestic
80	Maina Evans Mutun	787235	726735490	9	Domestic
81	Joseph Ndicho Ngige	820661	724157411	60	Domestic
82	Mbau Joseph Njogu	21858919	723944549	5	Domestic
83	Stella Kathure Irungu	2525981	N/A	81	Domestic
	28/02/2008				
84	Robert Mucugi Wanjiku	13058157	N/A	36	Domestic
85	Murithi Jacinta Wamwedua	8538462	N/A	54	Domestic
86	James Kinyua Waruingi	13800413	N/A	84	Domestic
	03/03/2008				
87	joseph maina	8536340	727346909	35	Domestic
88	Beatrice Wanjara Gatimu	13688389	711688948	7	Domestic
89	Albert Chege Gachomo	2234488	722853597	35	Domestic
	05/03/2008				
90	James Ngige Mirango	942212	720644319	50	Domestic
	06/03/2008				
91	Abdalla Ashid Njuguna	943763	723541980	13	Domestic
92	Chege Mungai John	11098314	722311919	33	Domestic
	12/03/2008				
93	Kanjeru John Nganga	7228619	722175771	81	Domestic
	18/03/2008				
94	Judy Wambui Gathura	8538807	720149268	83	Domestic
95	Jane Wamaitha Njoroje	23695044	720050002	74	Domestic
	20/03/2008				
96	Wairimu Stephen Irungu	21677029	721720028	26	Domestic
	25/03/2008				
97	Munyua Peter Njunguna	515742	726713907	84	Domestic
	26/03/2008				
98	Kamande Florence Njuki	7185410	N/A	84	Domestic
99	Makanya Charles Ndiritu	21501411	727493633	62	Domestic
	10/04/2008				
100	Mwangi Michael Kimani	488257	721611922	66	Domestic
	11/04/2008				
101	Julius Muthi Wanjohi Wanjohi	10865791	725555908	65	Domestic
102	Akoko Millicent Achieng	12459778	722644541	46	Domestic
	15/04/2008				
103	Peter kamande Mburu	13644631	722434744	65	Domestic
	23/04/2008				
104	James Ngungu Gitau	9088133	721209064	39	Domestic

	05/05/2008				
105	Mirango James Ngige	942212	720644319	50	Domestic
	06/05/2008				
106	Lucas Kidoga	11830474	727887802	94	Domestic
	08/05/2008				
107	Mwangi Mary Wanjiru	3501243	712181978	44	Domestic
	20/05/2008				
108	Dancun Ndiragu Kimani	20551804	710722887	94	Domestic
109	Agnes Wanjiku	1896189	722627947	14	Domestic
110	Irungu John Maina	7229600	725380175	78	Domestic
	21/05/2008				
111	St Veronica M catholic Church	PN P051091616A	N/A	62	Domestic
112	Rosemary Syuitwi Muthangya	4812750	720367553	14	Domestic
	28/05/2008				
113	Teresia Nyambura Njeru	9575707	722316421	51	Domestic
114	Florence Njoki Kamande	7185410	723888546	84	Domestic
	29/05/2008				
115	Irungu Isaac Julius	12268483	722458129		Domestic
116	John Maina Muturi	7980540	729586296		Domestic

Table 7: Mathare Kosovo contracted customers

(KPLC Marketing Report as at January 2008)

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	LANDLORD	SRN NO.	MOBILE	POLE NO.	TYPE OF CONNECTION
	23/10/2007				
1	Kamau Muhanda	2625485	725367901	5	Domestic
2	Njunge Peter	2626000	722853597	21	Domestic
	24/10/2007				
3	Peter Karanja Wanjiru	2626464	722613914	17	Domestic
	26/10/2007				
4	Njeru margret Wanjiku	2627598	721841810	1	Domestic
5	Muthoni Margret Nga'nga	2627601	723411321	33	Domestic
	29/10/2007				
6	Mwangi Marting Kariuki	2628401	720480219	48	Domestic
7	Kiranjo James Wamwea	2628534	N/A	7	Domestic
8	Florence Njoki Kamande	2628634	722853597	30	Domestic
9	Jamack Mbogo	2628671	723564321	67	Domestic
	30/10/2007				
10	Mwangi Charles Mwaniki	2628850	721399350	9	Domestic
11	Muhanda Faith Wangari	2628883	725367901	74	Domestic
12	Gathungu Paul Gachuhi	2629123	727951638	39	Domestic

	31/10/2007				
13	Munya Peter Kiroto	2629463	720429463	23	Domestic
14	David Kagia Kuria	2629894	722896854	40	Domestic
	01/11/2007				
15	Thuo Paulacio Gitau	2630360	722853597	67	Domestic
16	Migwi Giita	2630519	722853597	1	Domestic
	02/11/2007				
17	Nduru Margaret Wanjiku	2630991	729381845	19	Domestic
18	Thuo Joseph Gitau	2631048	720624465	33	Domestic
	05/11/2007				
19	Kiiru Peter Kiragu	2631391	723944549	36	Domestic
20	Mumbi John Mwangi	2631481	723494975	7	Domestic
	06/11/2007				
21	Naomi Njeri Kubai	2630439	720356122	43	Domestic
	07/11/2007				
22	Maina Ishimael Wachira	2632456	723289371	46	Domestic
	08/11/2007				
23	Njogu Henry Nganga	2633051	724812110	17	Domestic
24	Daniel Muguro Ngugi	2633235	723316121	11	Domestic
	09/11/2007				
25	Evans Onsombi	2633873	725392654	12	Domestic
	12/11/2007				
26	Evan Onsombi	2634302	725392654	14	Domestic
27	John Gachuhi Ngugi	2634480	724395611	62	Domestic
	13/11/2007				
28	Maina Evans Mutun	2635583	726735490	9	Domestic
	15/11/2007				
29	Antony Kimani Magochi	2636604	724909314	71	Domestic
	16/11/2007				
30	Kamonjo Nyambura Elizabeth	2636748	722990945	67	Domestic
	19/11/2007				
31	Omolo George Onyango	2637349	721381610	13	Domestic
32	Ngaruiya Samuel Kimani	2637536	721883649	94	Domestic
33	Wairimu Joseph Muritu	2637556	723819602	46	Domestic
34	Kamau Pius Macharia	2637657	720736023	9	Domestic
	20/11/2007				
35	Mwangi Michael Kimani	2638106	721611922	76	Domestic
36	Kanyi Kamau Moses	2638177	721371609	12	Domestic
	21/11/2007				
37	Njenga Beth Njeri	2638827	722375338	11	Domestic
38	Francis Njuguna Nganga	2638830	721556642	60	Domestic
39	George Njomo Wamaitha	2638832	721556642	60	Domestic
40	Joseph Ndicho Ngige	2639054	724157411	60	Domestic
	23/11/2007				Domestic
41	James Wamwea Kirangu	2639943	720724025	70	Domestic

	26/11/2007				
42	Iraki Gachinga Joseph	2640529	722587618	63	Domestic
43	Nelson Irungu Mwangi	2640543	722587618	70	Domestic
44	Pharis Kariuki Wanjiru	2640549	722587618	19	Domestic
	27/11/2007				
45	Joseph Kihumba Kibe	2641121	720539527	74	Domestic
46	Muthee Kennedy Waituka	2641028	722267802	94	Domestic
	30/11/2007				Domestic
47	Daniel Katuku Mbui	2643500	726618381	78	Domestic
	04/12/2007				
48	Wilson Maina Nyambura	2644401	720590988	15	Domestic
49	Ateya Joyce Kerudo	2644756	726508595	45	Domestic
	05/12/2007				Domestic
50	Gakuru Kennedy Macharia	2645680	726634144	46	Domestic
	10/12/2007				
51	Veronich Wanja	2647115	724752416	40	Domestic
52	Karanja Joseph Kairu	2647270	722487512	76	Domestic
	11/12/2007				
53	John Irungu Mwaura	2647625	720220044	65	Domestic
	13/12/2007				
54	Kamau Lucas Njoroge	2648108	723325548	58	Domestic
55	Kuria Stephen Murigi	2648306	729924566	66	Domestic
	17/12/2007				
56	Ndungu Francis Mburu	2649506	722890337	7	Domestic
57	Njeri Joseph Maina	2649503	723494917	76	Domestic
58	Muthere Andrew Maina	2649528	735822060	7	Domestic
59	Charles Wambugu Kariuki	2649578	722853597	60	Domestic
60	Ndungu Francis Mburu	2649507	722890337	7	Domestic
	18/12/2007				
61	Jason Waweru Ngari	2650268	725631286	70	Domestic
62	Mbau Joseph Njogu	2650534	723944549	5	Domestic
	20/12/2007				
63	Swaleh Mohammed	2651129	722859453	19	Domestic
	24/12/2007				
64	Ngariu Joseph Kuria	2652661	722566371	46	Domestic
	14/01/2008				
65	Maina Joyce Wangari	2656233	720339558	8	Domestic
66	Maithya Joseph Muthami	2656431	726029606	11	Domestic
	12/02/2008				
67	Wamuti Paul Ruingi	2665122	724138813	40	Domestic
68	Godfrey Gichuki Waithaka	2665361	722325050	71	Domestic
	14/02/2008				
69	Karithi James Riara	2666144	723367107	94	Domestic
70	Ngugi Evans Njoroge	2666138	710908824	36	Domestic
	15/02/2008				

71	Mwangi Wilson Gitonga	2666700	N/A	84	Domestic
72	Thiga Simon Ruri	2666696	726634143	84	Domestic
	18/02/2008				
73	Wairimu Elizabeth	2666681	721235536	36	Domestic
74	lithagi Cyrus Mwangi	2666743	725968133	14	Domestic
75	Stella Kathure Irungu	2666761	722853597	81	Domestic
76	Thuo Njogu Titus	2666976	720257769	72	Domestic
	25/02/2008				
77	Maina Teresia Njeri	2670729	723495274	74	Domestic
	28/02/2008				
78	Robert Mucugi Wanjiku	2672874	N/A	84	Domestic
79	Murithi Jacinta Wamwedua	2672877	N/A	54	Domestic
80	James Kinyua Waruingi	2672874	N/A	36	Domestic
	03/03/2008				
81	joseph maina	2674297	727346909	35	Domestic
82	Beatrice Wanjara Gatimu	2674298	711688948	7	Domestic
83	Albert Chege Gachomo	2674299	722853597	35	Domestic
	06/03/2008				
84	Abdalla Ashid Njuguna	2675826	723541980	13	Domestic
85	Chege Mungai John	2675825	722311919	33	Domestic
	12/03/2008				
86	Kanjeru John Nganga	2679098	722175771	81	Domestic
	18/03/2008				
87	Judy Wambui Gathura	2682462	720149268	83	Domestic
88	Jane Wamaitha Njoroje	2682518	720050002	74	Domestic
	20/03/2008				
89	Wairimu Stephen Irungu	2683855	721720028	26	Domestic
	25/03/2008				
90	Munyua Peter Njunguna	2684501	726713907	84	Domestic
	26/03/2008				
91	Kamande Florence Njuki	2685188	N/A	84	Domestic
92	Makanya Charles Ndiritu	2685336	720114755	62	Domestic
	10/04/2008				
93	Mwangi Michael Kimani	2693642	721611922	66	Domestic
	11/04/2008				
94	Julius Muthii Wanjohi Wanjohi	2693906	725555908	65	Domestic
95	Akoko Millicent Achieng	2694182	722644541	46	Domestic
	15/04/2008				
96	Peter kamande Mburu	2695365	722434744	65	Domestic
	23/04/2008				
97	James Ngungu Gitau	2698981	721209064	39	Domestic
	05/05/2008				
98	Mirango James Ngige	2704051	720644319	50	Domestic
	06/05/2008				
99	Lucas Kidoga	2704051	720644319	50	Domestic

	08/05/2008				
100	Mwangi Mary Wanjiru	2705590	712181978	44	Domestic
101	Lucas Kidoga	2707612	727887802	94	Domestic
	20/05/2008				
102	Dancun Ndiragu Kimani	2711189	710722887	94	Domestic
103	Agnes Wanjiku	2711191	722627947	14	Domestic
104	Irungu John Maina	2711193	725380175	78	Domestic
	21/05/2008				
105	St Veronica M catholic Church	2711845	N/A	62	Domestic
106	Rosemary Syuitwi Muthangya	2712162	720367553	14	Domestic
	28/05/2008				
107	Teresia Nyambura Njeru	2715219	722316421	51	Domestic
108	Florence Njoki Kamande	2715166	723888546	84	Domestic

Table 8: Marurui Jua kali contracted customers

(KPLC marketing report of January 2008)

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	LANDLORD	SRN NO.	MOBILE NO	POLE NO.	NO OF DOOR CONTRACTED
	02/10/2007				
1	Steven Maina Muthoni	2616835	721325958	37	1
2	Samuel Irungu Maina	2617140	720773276	8	1
3	Karanja Anne Wanjiku	2617137	720960507	8	1
	03/10/2007				
4	Kanyara Samuel Kinyua	2617873	720849039	28	1
	04/10/2007				
5	Ngugi Joseph Njoroge	2618612	722872290	16	1
6	Mwangi Joyce Wangui	2618614	726407481	9	1
	11/10/2007				
7	Kinyanjui Fredrick Kimani	2621035	721491198	31	1
8	Joyce Wairimu Karanja	2621037	N/A	12	1
9	Wairimu Peter Mburu	2621038	720203978	13	1
10	Nyaga Stephen Njeru	2621039	N/A	11	1
11	Wangari Joseph Nderi	2621040	N/A	8	1
	15/10/2007				
12	Kabae Mwangi	2622566	724890011	32	1
13	Kamau Antony Njoroge	2623044	720726831	10	1
14	Kariuki Kennedy Macharia	2623049	723904453	30	1
	22/10/2007				
15	Wairimu Boniface Ndirangu	2625636	725878589	16	1
16	Mwangi Francis Muthee	2625638	735373920	19	1
17	Stephen Mbugua	2625674	721834725	6	1

	23/10/2007					
18	David Mwaura Nganga	2625932	724612507	2		1
	25/10/2007					
19	Hinga David Kamau	2627501	724611638	31		1
	30/10/2007					
20	Macharia John Mathenge	2629352	729698749	1		1
	01/11/2007					
21	Ngugi Joseph Ngigi	2630514	723476425	9		1
22	Chege Stephen Thiogo	2630511	729812267	7		1
	05/11/2007					
23	Mwangi Joseph Muthee	2631347	723110338	3		1
24	Keziah Njeri Kuria	2631352	722110338	12		1
25	Kinuthia Samuel Kibandi	2631350	721930276	5		1
	08/11/2007					
26	Kagunya Francis Wainaina	2633124	721547274	37		1
27	Nganga Elizabeth Wanjiku	2633126	728315894	11		1
	09/11/2007					
28	Njiru Muthoni Elita	2633872	721239033	14		1
29	Kanyigi James Kamau	2634470	723408929	2		1
	15/01/2008					
30	Gitahi Agnes Wangechi	2657105	725215207	6		1
31	Njiru Nesbon Kithaka	2657112	N/A	2		1
	18/01/2008					
32	Wanjiku Cecililia Wambui	2658169	723110338	2		1
33	Truphena Wangari Kariuki	2658172	725903389	5		1
	21/01/2008					
34	Lydia Nganga Wanjiku	2658837	72358038	2		1
	22/01/2008					
35	Gathaiya Charles Maina	2659282	721923685	3		1
36	Gachoki Njoki	2659279	N/A	5		1
37	Kinyanjui Nancy Nyambura	2659274	N/A	5		1
38	Ndekei Josphat Kamau	2659271	727968596	1		1
39	Kinuthia Stephen Kamande	2659268	726959424	32		1
40	Wanderi Thomas Mukonyu	2659677	725270667	19		1
41	Kinyua Joseph Kiama	2659512	710594297	3		1
	23/01/2008					
42	Kinyanjui Gabriel Wambui	2631352	727296882	30		1
43	Karanja Philys Njoki	2660110	724398728	6		1
44	Muiruri Lucia Wamaitha	2660109	N/A	16		1
45	Mwiga Joseph Mwangi	2660108	726997541	22		1
	24/01/2008					
46	Mwangi Esther Wanjiru	2660615	N/A	12		1
47	Njoroge Catherine Njoki	2660537	720203978	4		1
48	Wanjiku Lydia Waithera	2660755	N/A	2		1
49	Mugo Geoffrey Mwangi	2660756	720295518	10		1

50	Mwangi John Njiraini	2660758	720726831	2	1
	29/01/2008				
51	Robert Omunga Banda	2662287	N/A	12	1
52	Julius Mwangi Muthoni	2662289	721713715	18	1
53	Thananga Jane Wangui	2662286	733387525	2	1
	12/02/2008				
54	Mercy Muthoni Muriithi	2665117	721139306	13	1
	13/02/2008				
55	Kihara Gitau Paul	2669839	722926156	3	1
56	Gradys Ajango Agoi	2665851	N/A	13	1
57	Kamau Simon Wanyoike	2665856	727117699	8	1
58	Susan wanjiku kamau	2665859	N/A	13	1
59	Mwangi margaret wanjiru	2665868	726754625	7	1
60	United Methodist Church	2665879	733907170	4	1
61	Amos Mungai Wanjiku	2665888	724325932	30	1
	14/02/2008				
62	Gatimu Pauline Njeri	2666521	725776200	58	1
	18/02/2008				
63	Mirema peter mbugua	2666708	N/A	2	1
64	Benard Mweia Luilu	2666734	N/A	2	1
65	Michael Njihia Muthungu	2666735	721559835	3	1
66	Peter Nganga Mbugua	2666786	723999782	13	1
	19/02/2008				
67	Njogu Esther Nyambura	2667798	729714463	4	1
	22/02/2008				
68	Wambugu Alfred Wandabwa	2669327	722163537	11	1
69	Githua Micky Gikonyo	2636419	721576168	32	1
70	Gikobu Eliud Macharia	2636413	722926945	28	
71	Wilson Kimite Kimari	2641127	721398737	12	1
72	Kinuthia Paul Nyoro	2645124	721984764	3	1
	03/03/2008				
73	Maina Jeseo Kariuki	2674062	723460552	30	1
	06/03/2008				
74	Waweru Moses Muhia	2676049	N/A	30	1
75	Thomas Mwangi Karathi	2676328	725269130	19	1
76	Wairimu Geoffrey Mwathi	2676330	723110338	33	1
	07/03/2008				
77	Maina Jeseo Kariuki	2676634	723460552	6	1
78	Kimari wilson Kimite	2676640	721398737	12	1
79	Kimari wilson Kimite	2676643	721398737	12	1
	11/03/2008				
80	Sospeter Githahu Mumbi	2678786	724965955	8	1
81	Mwangi Josphat Githongo	2878435	N/A	14	1
	12/03/2008				
82	Nunga Michael Katevata	2679549	723386081	36	1

	14/03/2008				
83	Nahashion Mubia Nyagura	2680741	N/A	2	1
	19/03/2008				
84	John Chege Nganga	2682720	725718689	14	1
85	Njoroge Catherine Njoki	2682812	N/A	5	1
86	Macharia Stephen Wairimu	2682810	N/A	31	1
87	Kuria Nancy Wairimu	2682805	N/A	2	1
	25/03/2008				
88	Njoroge Samuel Muthomi	2684832	723238342	3	1
	03/04/2008				
89	Peter Musyoka Kithika	2688971	720726831	8	1
90	Agnes Wangechi	2688965	720726831	5	1
91	Agnes Wangechi	2688977	720726831	5	1
92	Mbugua Daniel Ndungu	2688969	723288510	35	1
93	Virginia Wanjiku Wairimu	2688974	723830634	13	1
	04/04/2008				
94	Wakomo James Ndugi	2690068	723153374	22	1
95	Muhia Eunice Wanjiku	2690446	724344831	30	1
96	Mbugua Kanyeki Mbugua	2690445	724344831	33	1
	10/04/2008				
97	Mbithi Boniface Muasya	2693292	725216724	27	1
	15/04/2008				
98	Kimani Ngugi Njogu	2695060	720315093	17	1
99	Muthoni Kennedy Njoroge	2695058	N/A	17	1
100	Karuma Gema	2695056	720906872	13	1
	24/04/2008				
101	James Kagethe Mbugua	2699980	722794808	36	1
102	Nduta Kagaue	2699985	722794808	35	1
	16/05/2008				
102	Nganga Kamanja	2711073	724070808	36	1
	20/05/2008				
103	Wanjiru Salma Muthoni	2709441	725664446	18	1
104	Maina Evans Njuguna	2709444	724104177	28	1
	21/05/2008				
105	Gakuha Mary Mbaire	2711493	720710816	5	1
106	Moses Mungai	2711497	724104177	34	1
	26/05/2008				
107	Ndomba Mwaura	2713306	721372769	29	1
	27/05/2008				
108	kuria Wangui Florence	2714299	N/A	2	1
109	Mary Muthoni	2714297	723001059	17	1
	29/05/2008				
110	Njenga James Muiruri	2715895	720203978	25	1

Table 9: Marurui Jua Kali Paid up

(KPLC Marketing Report as at January 2008)

This is a listing obtained from the marketing books of KPLC and will be used to gather information from this particular cluster of customers for the purpose of the research.

NO	LANDLORD	ID NO	CATEGORY	TEL NO
	11/06/2007			
1	Steven Maina Muthoni	11667631	1 DOMESTIC	721325958
2	Kamau Antony Njoroge	24520140	1 DOMESTIC	720726831
3	Wambugu Alfred Wandabwa	22181605	1 DOMESTIC	722163537
	27/06/2007			
4	Samuel Irungu Maina	5907956	1DOMESTIC	720773276
5	Kinyanjui Gabriel Wambui	11061404	1 DOMESTIC	727276882
6	Jessee K Maina	7552176	1 DOMESTIC	723460552
	02/10/2007			
7	Karanja Anne Wanjiku	7985738	1 DOMESTIC	720960507
	03/10/2007			
8	Kanyara Samuel Kinyua	13754177	1 DOMESTIC	720849039
9	Wilson Kimite Kimari	5904268	8 DOMESTIC	721398737
	04/10/2007			
10	Mwangi Joyce Wangui	5904661	1 DOMESTIC	726407481
11	Ngugi Joseph Njoroge	6721357	1 DOMESTIC	722872290
	05/10/2007			
12	Wairimu Boniface Ndirangu	22332703	1 DOMESTIC	725878589
	11/10/2007			
13	Wangari Joseph Nderi	23039017	1 DOMESTIC	N/A
14	Nyaga Stephen Njeru	13573910	1 DOMESTIC	N/A
15	Wairimu Peter Mburu	13825450	1 DOMESTIC	720203978
16	Joyce Wairimu Karanja	929422	1 DOMESTIC	720265343
17	Kinyanjui Fredrick Kimani	9574820	1 DOMESTIC	721491198
	15/10/2007			
18	Kinuthia Samuel Kibandi	7113308	1 DOMESTIC	721930276
19	Kabae Mwangi	7159107	1 DOMESTIC	724890011
	06/10/2007			
20	Kariuki Kennedy Macharia	12741369	1 DOMESTIC	723904453
	18/10/2007			
21	Keziah Njeri Kuria	2571238	1 DOMESTIC	723110338
	22/10/2007			
22	Mwangi Francis Muthee	6442440	1 DOMESTIC	735537320
23	Stephen Mbugua	7868435	1 DOMESTIC	721834725
	23/10/2007			
24	David Mwaura Nganga	3042707	1 DOMESTIC	724612507
25	Lydia Nganga Wanjiku	23096157	1 DOMESTIC	723589038
	25/10/2007			

26	Hinga David Kamau	8748006	1 DOMESTIC	723611638
	26/10/2007			
27	Macharia M John	336322	1 DOMESTIC	729698749
	30/10/2007			
28	Macharia John Mathenge	332622	1 DOMESTIC	729698749
	01/11/2007			
29	Chege Stephen Thiogo	2025365	1 DOMESTIC	729812267
30	Ngugi Joseph Ngigi	13060299	1 DOMESTIC	725476425
	05/11/2007			
31	Mwangi Joseph Muthee	5599740	1 DOMESTIC	723110338
	08/11/2007			
32	Kagunya Francis Wainaina	1233198	1 DOMESTIC	721547274
33	Nganga Elizabeth Wanjiku	899518	1 DOMESTIC	728315894
	09/11/2007			
34	Njiru Muthoni Elita	8601020	1 DOMESTIC	721239033
	12/11/2007			
35	James Kamau kanyingi	3603588	1 DOMESTIC	723408929
36	Francis Lawson Ndungu	1680932	1 DOMESTIC	722365591
	15/11/2007			
37	Githua Micky Gikonyo	13109228	1 DOMESTIC	721576168
38	Gikobu Eliud Macharia	10731663	1 DOMESTIC	722926945
	05/12/2007			
39	Kinuthia Paul Nyoro	7128256	1 DOMESTIC	721984764
	15/01/2008			
40	Truphena Wangari Kariuki	10453525	1 DOMESTIC	725903389
41	Gitahi Agnes Wangechi	787802	1 DOMESTIC	N/A
42	Njiru Nesbon Kithaka	716082	1 DOMESTIC	N/A
	18/01/2008			
43	Wanjiku Cecililia Wambui	10319762	1 DOMESTIC	723110338
	22/01/2008			
44	Ndekei Josphat Kamau	438030	1 DOMESTIC	727968596
45	Gachoki Njoki	6080318	1 DOMESTIC	723110338
46	Kinuthia Stephen Kamande	1858392	1 DOMESTIC	726959424
47	Kinyanjui Nancy Nyambura	3636063	1 DOMESTIC	N/A
48	Gathaiya Charles Maina	3612430	1 DOMESTIC	721923685
49	Kinyua Joseph Kiama	10595790	1 DOMESTIC	710594297
50	Wanderi Thomas Mukunyu	6835999	1 DOMESTIC	725270667
	23/01/2008			
51	Muiruri Lucia Wamaitha	8473189	1 DOMESTIC	N/A
52	Karanja Philys Njoki	9574482	1 DOMESTIC	724398728
53	Mwiga Joseph Mwangi	22631624	1 DOMESTIC	726997341
	24/01/2008			
54	Mwangi Esther Wanjiru	6713052	1 DOMESTIC	N/A
55	Njoroge Catherine Njoki	21142972	1 DOMESTIC	720203978
56	Mwangi John Njiraini	7159311	1 DOMESTIC	720726831

57	Mugo Geoffrey Mwangi	12831328	1 DOMESTIC	720295518
58	Wanjiku Lydia Waitera	21122090	1 DOMESTIC	N/A
	29/01/2008			
59	Julius Mwangi Muthoni	21455068	1 DOMESTIC	721713715
60	Robert Omunga Banda	3081737	1 DOMESTIC	N/A
61	Thananga Jane Wangui	11728997	1 DOMESTIC	733387525
62	Ndugu Peter Mbugua	9377343	1 DOMESTIC	N/A
63	Michael Njihia Muthungu	5702780	1 DOMESTIC	721559834
64	Benard Mweia Lulu	22899408	1 DOMESTIC	N/A
65	Gradys Ajango Agoi	10695370	1 DOMESTIC	724090985
	01/02/2008			
67	Peter Nganga Mbugua	9267937	1 DOMESTIC	723999782
	04/01/1900			
68	Kamau Susan Wanjiru	7253564	1 DOMESTIC	723110338
69	United Methodist Church	15830	1 DOMESTIC	733907170
70	Mwangi margaret wanjiru	12424525	1 DOMESTIC	726754625
71	Kamau Simon Wanyoike	8206459	1 DOMESTIC	727117699
	06/02/2008			
72	Mercy Muthoni Muriithi	782510	1 DOMESTIC	721139306
	07/02/2008			
73	Amos Mungai Wanjiku	22613638	1 DOMESTIC	724325932
	12/02/2008			
74	Kihara Gitau Paul	14674858	1 DOMESTIC	722926156
75	Gatimu Pauline Njeri	20310059	1 DOMESTIC	725776200
	19/02/2008			
76	Njogu Esther Nyambura	3567019	1 DOMESTIC	729714463
	04/03/2008			
77	Wairimu Geoffrey Mwathi	23123961	1 DOMESTIC	723460552
	06/03/2008			
78	Waweru Moses Muhia	23122929	1 DOMESTIC	N/A
79	Thomas Mwangi Karathi	14574702	1 DOMESTIC	725269130
	11/03/2008			
80	Sospeter Githahu Mumbi	22934830	1 DOMESTIC	724965955
81	Mwangi Josphat Githongo	1859206	1 DOMESTIC	N/A
82	Florence Wangui	N/A	1 DOMESTIC	N/A
	12/03/2008			
83	Nunga Michael Katevata	2303599	1 DOMESTIC	723386081
	14/03/2008			
84	Nahashion Mubia Nyagura	10888084	1 DOMESTIC	N/A
	19/03/2008			
85	John Chege Nganga	7385842	1 DOMESTIC	725718689
86	Njoroge Catherine Njoki	21142972	1 DOMESTIC	N/A
87	Macharia Stephen Wairimu	21082661	1 DOMESTIC	N/A
88	Kuria Nancy Wairimu	N/A	1 DOMESTIC	723110338
	25/03/2008			
89	Peter Musyoka Kithika	21590474	1 DOMESTIC	720726831

90	Agnes Wangechi	7878020	2 DOMESTIC	720726831
91	Njoroge Samuel Muthomi	1032494	1 DOMESTIC	723238342
	03/04/2008			
92	Virginia Wanjiku Wairimu	12424120	1 DOMESTIC	723830634
93	Mbugua Daniel Ndungu	7159278	1 DOMESTIC	723288510
	04/04/2008			
94	Wakomo James Ndugi	11449768	1 DOMESTIC	723153374
95	Muhia Eunice Wanjiku	3458739	1 DOMESTIC	724344831
96	Mbugua Kanyeki Mbugua	4427154	1 DOMESTIC	724344831
	10/04/2008			
97	Mbithi Boniface Muasya	2031445	1 DOMESTIC	725216724
	11/04/2008			
98	David Gitau Kinuthia	1858540	1 DOMESTIC	723494691
	15/04/2008			
99	Kimani Ngugi Njogu	7168205	1 DOMESTIC	720315093
100	Muthoni Kennedy Njoroge	24116948	1 DOMESTIC	N/A
101	Karuma Gema	9788219	1 DOMESTIC	720906877
	25/04/2008			
102	James Kageche Mbugua	4428337	1 DOMESTIC	722794808
103	Nduta Kagaue	10551833	1 DOMESTIC	722794808
	12/05/2008			
104	Nganga Kamanja	3433449	1 DOMESTIC	720877752
	16/05/2008			
105	Wanjiru Salma Muthoni	23486205	1 DOMESTIC	724104177
106	Maina Evans Njuguna	8612143	1 DOMESTIC	725664446
	21/05/2008			
107	Gakuha Mary Mbaire	21645905	1 Domestic	720710816
108	Moses Mungai	20817650	1 Domestic	724104177
	26/05/2008			
109	Ndomba Mwaura	9192435	1 Domestic	721372769
	27/05/2008			
110	kuria Wangui Florence	2143028	1 Domestic	N/A
111	Mary Muthoni	3084078	1 Domestic	723001059
	29/05/2008			
112	Njenga James Muiruri	22594826	1 Domestic	720203978

**Table 10: Breakdown of Financial allocation to Nairobi slums project 2006/2007
(KPLC Design scheme cost estimates for ph1 of Nairobi slums projects)**

Breakdown of the recent allocation of 53 million for Nairobi Slums									
Nairobi slums -with allocation of Kshs.40+13million									
Scheme	Ref	Constituency	Txs No	HV km	LV km	S/cables	Cost in Kshs million	Comments	
1	Mukuru kwa Reuben slums	R21132007090001	Makandara	2	0.7	3	100	7.14	construction in prog
2	Maili saba, Ogopa, Mwengenyne & Shiranga slums	E21132007040739	Embakasi	4	2.93	0	0	4	
3	Mukuru Lunga Lunga	R21132007090004	Makandara	2	0.57	1.5	100	4.72	Construction not sta
4	Mukuru Kwa Njenga II	R21132007090002	Embakasi	3	1.25	5.7	500	12.5	Construction not sta
5	Kibera laini saba	R21112007100003	Langata	3	0.13	10	320	7.97	
6	Mukuru Hazina	R21132007090003	Makandara	1	0.15	1	100	3	Construction not sta
7	Mukuru Busia rd	R21132007060003	Makandara	1	0.2	0.5	100	3.13	Construction not sta
8	Mukuru Fuata Nyayo	R21132007060002	Makandara	1	0.15	1.2	100	3.3	construction in prog
	Total							45.76	
	Limit							58.3	within +10%

Notes:

Sevice cables estimated for Kibera (initial) 1,500, for Kariobangi 150, for Mathare 400 and for Korogocho 150.

Primary Data Presentations

The data gathered from the questionnaires were edited and tabulated with the category of respondents against particular numbers giving responses to the various questions against the response code in the table below;

Table 11: Tabulation of the structured section of the questionnaire answers:

Respondent Category	Q2 R—No	Q3 R—No	Q4 R—No	Q5 R—No	Q6 R—No	Q7 R—No	Q8 R—No
KPLC Staffs- 28 participated	1—13 2—9 3—5 4—1 T—28	1—2 2—11 3—8 4—7 T—28	1—2 2—7 3—14 4—5 T—28	1—2 2—9 3—3 4—14 T—28	1—4 2—9 3—2 4—13 T—28	1—7 2—18 3—3 T—28	1—4 2—3 3—13 4—8 5—0 T—28
Area administrators-15 participated	1—0 2—3 3—11 4—1 T—15	1—0 2—3 3—9 4—3 T—15	1—0 2—2 3—9 4—4 T—15	1—1 2—6 3—4 4—4 T—15	1—0 2—2 3—5 4—8 T—15	1—0 2—1 3—14 T—15	1—2 2—0 3—5 4—8 5—0 T—15
NGO Staff- 15 participate	1—1 2—4 3—6	1—0 2—3 3—7	1—0 2—0 3—8	1—2 2—6 3—2	1—2 2—6 3—2	1—2 2—5 3—8	1—0 2—1 3—6

	4—4 T—15	4—5 T—15	4—7 T—15	4—5 T—15	4—5 T—15	T—15	4—8 T—15
Other community service providers- 20 participated	1—2 2—8 3—8 4—2 T—20	1—1 2—2 3—10 4—7 T—20	1—1 2—2 2—8 4—9 T—20	1—2 2—8 3—6 4—4 T—20	1—1 2—8 3—5 4—6 T—20	1—1 2—8 3—11 T—20	1—2 2—3 3—6 4—9 T—20
Residents-100 participated	1—9 2—27 3—43 4—21 T-100	1—3 2—14 3—61 4—22 T-100	1—3 2—7 3—61 4—29 T-100	1—11 2—48 3—22 4—19 T-100	1—5 2—17 3—21 4—57 T-100	1—3 2—43 3—54 T-100	1—12 2—3 3—38 4—47 T-100

Notes:

Q1 to Q8-- Various questions contained in the questionnaire

R -- Response code

No—Number of respondents giving the particular response

T-- Total number of the respondents who participated.

Data Analysis

Secondary data

Customers earmarked for connection

From table 1 estimated electrifiable population of the Nairobi slum are Kibera 300,000, Mathare 75,000, Korogocho 50,000, Kariobangi 50,000 and Mukuru 25,000. This gives a total of 500,000.

From Table 10 and its notes the total number of service cable estimated in the financial allocation of 2006/2007 were; Kibera); 1,500, Mathare; 400, Kariobangi; 150,

Korogocho; 150 and Total from table 8; 1,495. This gives grand total of 3695 s/cables.

Because each s/cable supplies a block of approximately 15 tenants;

Total number of customers earmarked for connection = $3695 * 15 = 55,425$

From Tables 3—9 customers connected or in the process of connection are, Mukuru; 567, Kibera; 1,326, Mathare; 224 and Kariobangi; 110.

This gives a Total of 2,227 customers either already connected or in the process of being connected.

This translates to $2227/55425 * 100 = 4.02\%$ of the customers earmarked to be supplied.

This implies that only approximately 4% of the Nairobi slums electrifiable population have been connected to electricity or are in the process of connection. This figure is quite low to have been achieved in two years and puts a lot of questions on the implementation pace.

Table 12: Summary of Research findings

This table is a presentation of the analysis of the research findings from the structured part of the data gathering questionnaires.

Respondents	Category	Project information	Project success	Project roll out	Major problems	support of residents	Affordability	Billing method
		%	%	%	%	%	%	%
KPLC Staffs	Fully informed	46.4	7.1	7.1	7.2	14.3	25	14.3
	Partially informed	32.1	39.3	25	32.1	32.1	64.3	10.7
	Lacked key information	17.9	28.7	50	10.7	7.1	10.7	46.4
	No information	3.6	25	17.9	50	46.5		28.6
Residents	Fully informed	9	3	3	11	5	3	12.2
	Partially informed	27	14	7	48	40	43	3
	Lacked key information	43	61	61	22	25	54	38
	No information	21	22	29	19	30		47
NGO staffs	Fully informed	6.7	0	0	13.3	13.3	13.3	0
	Partially informed	26.7	20	0	40	40	33.4	6.7
	Lacked key information	40	46.7	53.3	13.4	13.4	53.3	40
	No information	26.6	33.3	46.3	33.3	33.3		53.3

Area administrators	Fully informed	10	0	0	6.7	0		13.3
	Partially informed	40	20	13.3	40	13.3	0	0
	Lacked key information	40	60	60	26.7	33.4	6.7	33.4
	No information	10	20	26.7	26.6	53.3	93.3	53.3
Other service providers	Fully informed	0	5	5	10	5	5	10
	Partially informed	20	10	10	40	40	40	15
	Lacked key information	73.3	50	40	30	25	55	30
	No information	6.7	35	45	20	30		45

Most significant change to the lives of the slum dwellers:

The most significant change the project is having in the slums is increased chances of SMEs with the increased operating hours and better security to the residents.

Achievements of the project:

With safe and reliable electricity supply incidents of fires and power blackouts have drastically reduced.

Consumption of paraffin in the slum areas has reduced.

Businesses are opening until late hours and so many slum dwellers are getting job opportunities in the SMEs.

Lessons so far learnt:

The slum electrification project is fundamental in changing the lives of the residents and should roll out to all the areas and at fast pace.

CHAPTER FIVE:

Having been part of the implementing agency of the project as a design Engineer; the research project has been an eye open so that shortcomings, strengths, opportunities and threats have been unearthed which when further investigated and acted upon can turn around the project and hence the lives of the residents of the peoples settlements.

Comparison with what is being done in similar situations in South Africa and India can help us benchmark with the best outcomes and improve in our own situation.

Research Findings and Recommendations:

The research project although had serious limitations in terms of resources and ground organization due to lack of cooperation from the various stakeholder and time constraints has the following findings and recommendations to put forward for further research on;

Project implementation Pace:

For the project to be fully accepted by the residents, the implementation pace should be enhanced so that most of the residents prefer the project to the available illegal connections.

Poor planning which has characterized the project until some are being seen as abandoned should end. All the materials for the project should be purchased and the designs made more commodative and suitable to the users. This will ensure once a project is started it is implemented and the beneficiaries connected. This will in turn win confidence of all the stakeholders.

Prepaid billing:

It is long time prepaid unit purchase system in small denominations is introduced to meet the budget lines of the slum residents. Other service providers have tapped this wide market only through easy buy systems which the consumers do not feel much pinched to afford when needed.

Stakeholder participation:

The project implementers should share the information on the project with the beneficiaries, potential donors and other stakeholders so that the project becomes more acceptable to all and they are brought on board. Development partners will be more

willing to participate in projects which are acceptable to the locals and uplifting the lives of the common peoples in their cooperate social responsibilities.

Public lighting and streetlights:

This is important as far as security in the slums is concerned and will even make SMEs thrive to greater heights hence creating better and stable job opportunities for the residents.

The designs should include these and stakeholders should be sensitized to be good custodians of these kinds of lights for their own good. The bills can be met by community contributions or cooperate sponsorships.

APPENDIX:

Format for Questionnaire:

Structured section;

Please tick (√) in the box next to your preferred response

Q (1) How have you been involved in the slums of Nairobi service provision?

1. KPLC staff ()
2. Area administrator ()
3. NGO staff ()
4. Other community service provider ()
5. Resident of the slum ()

Q (2) How much information do you have on the slums electrification programme?

1. Fully informed ()
2. Partially informed ()
3. Has heard of it but lack key information ()
4. No information at all ()

Q (3) How do you rate the pilot slum electrification programmes in Nairobi?

1. Very successful ()
2. slightly successful ()
3. Below expectation ()
4. Very unsuccessful ()

Q (4) How do you rate the slum electrification coverage in Nairobi?

1. Very fast ()
2. Fast ()
3. Slow ()
4. Very slow ()

Q (5) What in your opinion is the major problem to implementation of the slums electrification programme in Nairobi?

1. Lack of proper funding (√)
2. Poor planning by implementers ()

- 3. Lack of cooperation from the beneficiaries ()
- 4. Interference from other stakeholders ()
- 5. No problems ()

Q (6) How supportive are the slum residents to the electrification project?

- 1. Very supportive ()
- 2. Supportive ()
- 3. Not concerned ()
- 4. Opposed ()

Q (7) In your opinion do you think the slum electrification project is affordable to the beneficiaries.

- 1. Very affordable ()
- 2. Affordable ()
- 3. Not affordable ()

Q (8) In your opinion how do you think the slum residents should pay their electricity bills.

- 1. Fixed monthly controlled rates ()
- 2. Billed monthly consumed units at commercial rates ()
- 3. Prepaid unit purchase system at commercial rates ()
- 4. Prepaid unit purchase system at subsidized rates ()
- 5. Any other () briefly explain.....

Unstructured section:

Q (9) In what ways do you think the pilot slum electrification programme are achieving their objectives?

- (a).....
- (b).....
- (c).....

Q (10) What do you think should be incorporated in the slums electrification project so as to achieve more benefits to the stakeholders?

- (a).....

(b).....

(c).....

Q (11) How do you think the slums electrification programme in Nairobi impacting on the residents;

i. Socially.....

ii. Politically.....

iii. Economically.....

iv. Any other

Q (12) What in your opinion is the most significant impact of the slums electrification programme?
.....

Q (13) What are the lessons so far learnt in the slum electrification programme and how can they be incorporated to improve the programme effectiveness and efficiency?

(a).....

(b).....

(c).....

Table 13: Project Expenditure

In order to successfully carry out the project, the following budget was used;

ITEM/ ACTIVITY	DESCRIPTION	COST ESTIMATE
Traveling and subsistence	- 15 days @ Kshs 1000 per day	15,000

Printing & stationery	- Two reams of papers @ Kshs 600	1,200
	- one printer cartilage @Kshs 3500	3,500
	- Pens, pencils ,rules rubber etc	500
		5,200
Wages	- Two research assistance for 15 days @ Kshs, 250 per day	3,750
Communication & Internet browsing	- Telephone expenses to clients and the assistants	3,000
	- 30hrs in cyber cafe @ Kshs. 1.00 per minute	1,800
		4,800
Miscellaneous	- This includes all other incidental expenses not included in the above categories of expenses	5,000
TOTAL		33,750

Table 14: Schedule of Research project activities

In order to organize the project and successful monitor progress, the following schedule was used.

ACTIVITY	ESTIMATED DURATION										Total duration	
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
Drafting out questionnaire for KPLC staff and customers												1 Week
Conducting interviews with KPLC staff and customers												2 Weeks
Report of initial analysis												1 Week
Designing questionnaire for clients												2 Weeks
Conducting interviews with various												2 Weeks

clients										
Compiling data obtained										2 Weeks
Analyzing data obtained										2 Weeks
Drafting and typing out report										2 Weeks
Presentation of report										1 Week

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