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**EBUKHAYA SUB-LOCATION, EMUHAYA DISTRICT, VIHIGA COUNTY, KENYA**

*Proposal for Funding Consideration*

SMALLHOLDER LEAFY VEGETABLES, TOMATOES AND ONION PRODUCTION AND MARKETING PROJECT

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**ABBREVIATIONS AND ACRONYMS**

AIDS Acquired Immune Deficiency Syndrome

APC African PRIDE Centre

FE Final Evaluation

FGDs Focused Group Discussions

FGs Farmers Groups

HIV Human Immune-deficiency Virus

JKIA Jomo Kenyatta International Airport

KIHBS Kenya Integrated Household Survey

KIIs Key Informant Interviews

Kshs. Kenya Shillings

MDGs Millennium Development Goals

MTR Medium Term Review

M&E Monitoring and Evaluation

OD Organization Development

PhD Doctor of Philosophy

PTA Parents Teachers Association

Q Quarter

SACGs Savings And Credit Groups

TOR Terms Of Reference

USA United States of America

US$ United States of America Dollar

**PROJECT ABSTRACT**

Agriculture in Ebukhaya sub-location is characterized by subsistence, low productivity and vulnerability to natural vagaries like droughts and floods. Recognizing the need to improve access, retention and transition in education for children from poor households, African PRIDE Centre (APC) adopted agri-business in empowering parents in poorer areas to manage their children’s education needs. In Ebukhaya, the small pieces of land available to households for farming plus the reliance on maize crops, whose yields continuously decline, have made the food security situation worse – impacting on children’s education. This project will work with 200 parents to increase production of leafy vegetables, tomatoes and onions as a way of enhancing food security and boosting incomes. The project’s impact is expected to be felt through increased access, retention and transition rates for children from the poor households, thus contributing to Kenya’s *Vision 2030* and the attainment of the Millennium Development Goals (MDGs).

**EBUKHAYA SUB-LOCATION, EMUHAYA DISTRICT, VIHIGA COUNTY, KENYA**

**Smallholder Crop Production and Marketing Project**

**Result-Based Logical framework**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Hierarchy of Objectives** | **EXPECTED RESULTS** | **REACH** | **PERFORMANCE****INDICATORS SOURCE& METHODS** | **INDICATIVETARGETSTIMEFRAME** | **Main Assumptions/Risks and Proposed Mitigation Measures** |
| **Project Goal** | **Long term Outcome** | **Beneficiaries** | **Verifiable Indicators****Long Term outcome** | **TargetIndicators and Timeframe** |  |
| Contribute to poverty reduction, foodSecurity, and increased access, retention and transition in education in Kenya. | 1. Improved smallholder farming and household incomes in Ebukhaya
2. New job opportunities
3. Increased product quality leading to better prices of farm produce hence support for children’s education.
 | 1. Children, especially from poor household in Ebukhaya sub-location
2. Parent/smallholder

Farmers1. Ebukhaya population
 | 1. Increased value of sales by parent-smallholder farmer groups
2. Increased average income within the participating parents/smallholder households/farmer groups
3. Reduced incidences of crime (night robberies are rampant in Ebukhaya)

**Source:**Commodities Competitiveness reports, M&E and supervision Reports, Stories/comments from beneficiaries | 1. More children enrolling, completing and transiting from one level of education to the next in Ebukhaya due to improved household incomes
2. Smallholder sub-sector contribution to agricultural GDP increases
3. Smallholder contribution to rural employment increases
 | **Assumptions/Risks**1. Trellis will consider funding this project

**Mitigation Measures**1. Project has in-built innovative program to engage the graduate student from the USA remotely for 100 hours and for 1-2 weeks during visit to Kenya, and clear impacts, which enhances possibilities of being favorably evaluated
 |
| **Project Objective** | **Medium Term Outcome** | **Beneficiaries** | **Indicators****Medium Term Outcome** | **Target Indicators and Timeframe** | **Assumptions/ Risks and Proposed Mitigation Measures** |
| Improved productivity of leafy vegetables, tomatoes and onions from the current 10 sacks/0.025 hato 100 sacks/0.025ha(leafy vegetables); 200kg/0.025hato 2000kg/0.025ha(tomatoes); and 20 kg/0.025hato 250kg/0.025ha(onions) and incomes from the current Kshs. 20/Kgto Kshs. 100/Kg(leafy vegetables);Kshs. 20/kg to Kshs. 50/Kg(tomatoes); and Kshs. 20/kg to Kshs. 40/Kg (onions) by the end of the project through:1.Promotion of the intensification, diversification and quality of the existing cropping systems.2.Improvement to the local post-harvest handling of horticultural goods and the marketing system | 1. Increased incomes for parent/smallholder farmers
2. Improved household nutrition and environmental management of natural resources
3. Improved enrolment in ECCDE, primary, secondary and tertiary education, as well as retention and transition to higher levels of learning
4. Better organized marketing for leafy vegetables, tomatoes and onions
 | 1. About 180

Parent/smallholder household farmers in Ebukhaya sub-location, at least 90of whom will be female headed households1. Over 300 school children (directly or indirectly) from the improved household incomes leading to parents affording their educational needs
2. The families and population in Ebukhaya due to access to nutritious foods
 | 1. Increase in yield obtained by farmers due to improved crop management and marketing
2. Parent/smallholder farmers sales from agriculture products increased
3. Children that were hitherto not attending school due to lack of educational needs now in school

**Source:**M&E and supervision Reports, Stories/comments from beneficiaries, social media comments, letters/e-mail communications from supporters interacting with the website and social media | 1. Yield increased from 10 sacks/0.025 ha to 100 sacks/0.025ha(leafy vegetables); 200kg/0.025hato 2000kg/0.025ha(tomatoes); and 20 kg/0.025hato 250kg/0.025ha(onions) per crop cycle.
2. Smallholders’ farm sales increased from the current 1 %in 2013 to at least 10%perannum from the first crop cycle within this project
3. Over 100 children that were hitherto not in school due to household financial challenges in school by the end of the project period
 | **Assumptions/Risks**1. Funding for the project will be

Forthcoming1. No major drought or other natural calamity occurs
2. No conflict among beneficiaries
3. Increased household incomes will not be misused (especially by men in drinking, etc.)

**Mitigation Measures**1. Guidelines on application for Trellis Fund adhered to in developing the project; and formulation involved some of the beneficiaries, which enhances chances of success at the evaluation of the project for funding
2. Effective communication& sensitization of farmers, including on how to collect and store rain water for use in the absence of rain and use of ‘sacks’ to grow crops
3. Coordination of the action is based within the target community and targets mainly women from the households
 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Activities/Inputs** | **Short-Terms OUTPUTS** | **Beneficiaries** | **INDICATORS****Short-Terms outputs** | **TARGETINDICATORS TIMEFRAME** | **Assumptions, Risks and Proposed****Mitigation Measures** |
| 1. **Strengthening project implementation processes**
 | **Strengthened processes for quality delivery of the action and requisite project coordination** |  |  |  |  |
| 1.1 Support for office operations (consumables, printing, photocopying, etc.) and internet modem1.2 Developing an interactive website for APC and its work; and enhancing presence on all social media fronts1.3 Establishing a model/demonstration garden (grown with the target crops)1.4 Social: Prevention of HIV/AIDS, call for all children to go to school, adopting horticulture, etc. campaigns in churches, school PTA meetings, *barazas* (chief’s public gatherings) etc.1.5 Market assessment and review of the value chain regarding leafy vegetables, tomatoes and onions in Kenya and in the target area (including market dynamics and prices of inputs and ready commodities)1.6Project assistant contracted1.7TOR for staff/volunteers developed and contracts signed and implemented1.8 Midterm review, final evaluation (KIIs, FGDs and visits to sites) and audit of accounts conducted without delay | 1. Office consumables, 2 refurbished computers, a printer /copier and an internet modem purchase
2. An operational updated APC website, and presence an all social media fronts
3. A demonstration garden established
4. 2Campaigns on HIV/AIDS, value of horticulture and education conducted.
5. An adaptive research on market and value chain trends relating to leafy vegetables, tomatoes and onions in Kenya, Vihiga County, Emuhaya District, Emakunda location, Ebukhaya sub-location conducted
6. A local university student contracted as an intern.
7. Signed contracts with staff/intern [including with the USA Graduate student in line with the prevailing APC policy on internships and Academic placements] and reports on MTR and FE and audit of accounts
 | 1. APC
2. Members of Ebukhaya sub location (estimated at over 600: incl. over 360 women and girls)
3. Over 300school going children (directly or indirectly)
4. 180 parent/smallholder farmers
5. Intern
6. Project Coordinator
 | 1. Record of procured items/requisition and payment documents/physical items bought/bank statements
2. 5 computers connected for internet browsing to enhance the community’s access to information on market trends
3. An interactive APC website, list of social media fronts where APC work is highlighted
4. A demonstration garden established
5. Numbers of people (women and men) attending the campaigns
6. Number of children and adults using the borehole
7. List of stakeholders in the agri-business industry in the target area and record of Key Informant Interviews conducted with selected stakeholders to inform report on market and value chain trends
8. Advert for local university students to apply for internship, list of applicants and the successful applicant
9. Payment records for items purchased and services rendered
 | 1. At least 10% of targeted farmers visiting APC officeto seek information each quarter
2. At least 50 people, especially local farmers (women and men) accessing internet at APC to seek information on market trends each quarter
3. At least 50 -500 hits/likes/comments/follows to APC website and social media fronts; and at least 5% of these resulting in building APC support base by e-mails, ordinary mail, etc. in each quarter
4. At least 10% of targeted local farmers and other stakeholders (both women and men) visiting the demonstration garden every quarter
5. At least 75% of people (women and men) in Ebukhaya sub-location having accessed APC campaigns on HIV/AIDS, education and horticulture by the end of Q2.
6. At least 10% of the targeted local farmers (women and men) randomly sampled and participating in the adaptive Research on the market and value chain trends by Q1
7. One local university student performing his/her tasks by Q1
8. 1 mid-term review and 1 final evaluation of project done after Q1 and Q3 respectively.
9. 1 Financial audit done after Q4
 | **Assumptions/Risks**1. The Graduate student from the USA will have expertise to support APC in planned events where we lack capacity (human due to inadequate finances) – and that the needs do not constitute an ‘over-expectation’ on our part
2. The purchased office items (computers and printer/copier) will not be stolen as was done early last month (Jan 2013) following office breakage
3. Land will be available in the target area for hire by APC for demonstration purposes
4. Schools/churches/barazas will be willing to accommodate the campaigns in HIV/AIDS, etc.
5. The contracted local university student will be ready and willing to carry out the formative assessment together with our volunteers at minimal costs

**Mitigation Measures**1. Clear points where APC requests for expertise in the USA Graduate student highlighted in this proposal for matching and a rider on APC’s flexibility regarding amending (as advised) tasks that are found to be out of phase by Trellis Fund.
2. APC liaison office to be relocated to a more secure place
3. If land will not be readily available in the target area, the search could be extended to the neighboring sub-locations [in which case the work will attract bigger audience]
4. Key members of school management committees, church leaders and the local administration have been involved in the formulation of this project
 |
| **Component Cost:(US$ 2,310)** |  |  | **Source:** M&E and supervision Reports, Stories/comments from beneficiaries, social media comments, letters/e-mail communications from supporters interacting with the website and social media  |  |
| **Activities/Inputs** | **Short-Terms OUTPUTS** | **Beneficiaries** | **INDICATORS****Short-Terms outputs** | **TARGETINDICATORS TIMEFRAME** | **Assumptions, Risks and Proposed****Mitigation Measures** |
| 1. **Farmers Support Component**
 | **Crop production, marketing and extension** |  |  |  |  |
| * 1. *Horticultural production*
		1. Training in crop production techniques and pest control
		2. Support farmers with inputs (seeds and seedlings) through their organizations
		3. Facilitate the formation of farmers Savings and Credit Groups (SACGs) or the transformation of their groups into SACGs)
	2. *Post-harvest handling of products and Marketing*
		1. A rapid assessment of post-harvest crop handling and marketing capacity done
		2. 6, 1-day trainings on post-harvest handling of crops and marketing
		3. At least 1 Marketing Focal Point (Horticultural produce store) established in a local market.
 | 1. 6 Farmers Groups (FGs) formed and operating
2. Improved crop husbandry and Integrated Pest Management techniques
3. Farmers organizations operate as legal entities through appropriate participatory methodologies
4. Post-harvest and marketing capacity and competitiveness analysis report
5. Report(s) on trainings on post-harvest handling and marketing
6. Communal Marketing Focal Points (MFP) operational – hence marketing infrastructure improved
 | 1. Parent/smallholder farmers
2. FGs and the parent-smallholder farmers; beneficiary families
3. Parent-smallholder farmers, beneficiary families
4. Farmers
5. Buyers
 | 1. Report on pre-training assessment (gauge of the farmers knowhow) with the number of people reached
2. Training curriculum of ‘*what works*’ in crop production and pest control
3. Records on the establishment/strengthening and legal registration of targeted FGs/ Savings and Credit Groups (SCGs)
4. List and contacts of the extension agents, staff and farmers trained in crop production techniques and pest control
5. A database on APC’s work with reports from staff and field agents on the action’s progress
6. Report on pre-training assessment and the number of people (men and women)interviewed.
7. Report on the post-harvest and marketing training and the number of people (men and women) trained.
8. Report on the CSF and MFP

Established.1. 50% reduction in post harvest losses
2. Negotiation ability of farmers or their organizations increased by 50%
 | 1. At least 20 farmers (men and women) and 10 other stakeholders (government officers, experts in horticulture, traders, etc.) interviewed during pre-training assessment on farmers knowledge in crop production and pest control by end of Q1
2. At least 2 case studies (relating to a man and women) situate in a developing country on ‘*what works*’ in crop production and pest control each agreed upon and used as reference in training curriculum development in Q1
3. At least 180 parents/smallholder farmers (about 90 of whom will be women) trained in crop production techniques and pest control by Q2
4. At least 6 FGs established/strengthened by Q1 and registered as legal entities by Q2
5. At least 10 farmers (men and women) and 5 other stakeholders (government officers, experts in horticulture, traders, etc.) interviewed during pre-training assessment on farmers knowledge in post-harvest handling of products and marketing conducted and an analysis of post harvest losses done in Q1
6. At least 2 case studies (for a man and women) situate in a developing country on ‘*what works*’ in post-harvest handling of products and marketing each agreed upon and used as reference in training curriculum development in Q1
7. At least 6 farmer groups (each group comprising between 30 – 35farmers) of which at least 60% are women, trained in post-harvest handling of products and marketing byQ2
8. At least one post-harvest and marketing capacity and commodity competitiveness study conducted during Q1 of project implementation
9. At least 1 2 Marketing Focal Points established in nearby local markets in Q2
 | **Assumptions/Risks**1. Farmers will be responsive and actively participate
2. The farmers will not be able to operate the groups effectively
3. The USA Graduate will have the capacity help APC in designing an appropriate database to capture work and stories from the project, and develop the training curriculum

**Mitigation Measures**1. Extensive training will be undertaken during the project and support supervision conducted by the Project Coordinator
2. The links by the APC Director to a number of local universities [particularly as a lecturer at Daystar University] could provide a safety net should the matched USA Graduate student lack expertise, especially in curriculum development – a volunteer could be drawn from a student at the local university to chip in.

**Assumptions/Risks**1. Demand for the vegetables & horticultural crops will increase at least proportionately to demographic growth
2. Middlemen/women will not be allowed to interfere with the dynamics arising from the action

**Mitigation Measures**1. Promote diversification to compensate for temporary price fluctuations in particular crops i.e. improve crop-mix, especially in relation to leafy vegetables.
2. Integrate training on the role of middlemen/women or ‘brokers’ in trainings.
 |
| **Component Cost:(US$ 1,345)** |  |  | **Source:** M&E and supervision Reports, Stories/comments from beneficiaries, social media comments, letters/e-mail communications from supporters interacting with the website and social media |  |

1. **JUSTIFICATION**

Ebukhaya sub-location in Emuhaya district has an area of 3.04 square kilometers. In 2009, its population was estimated at 1855 males and 2065 female. Population density is high -1290.28 (and rising); as is the dependency ratio of 0.906 (every 10 working persons support over 9 dependents). Poverty is widespread, and Ebukhaya’s social indicators are among the lowest in Kenya. According to poverty analyses based on the 2004/5 Kenya Integrated Household Budget Survey (KIHBS) data, over 65% of people in Ebukhaya live below the poverty line.

The main issues facing Ebukhaya’s agriculture are low productivity and profitability, which have been characterized by low and stagnant yields, due to lack of the requisite skills. Consequently, majority of Ebukhaya people face severe food insecurity for larger parts of the year and poverty in general. It is estimated that over 90% of households run out of food between 4 and 6 months after corn harvest, and seek opportunities of earning supplementary income to purchase food on the market. These have impacted negatively on children’s access to education. In consequence, crime and use of drugs has increased – with impacts like increased HIV/AIDS-related deaths; leaving many children orphaned. Promotion of horticulture holds the promise of change. This proposal seeks to work towards this.

The project aims to contribute to poverty reduction, food security, increased access of children to education and reduction in crime in Ebukhaya by:

* Promoting the intensification, diversification and quality of the existing cropping systems, and
* Improving post-harvest handling of horticultural goods and the marketing.

The approach will include awareness creation, capacity enhancement, direct support and advocacy. The project’s impacts are expected to be felt at households level through increased incomes and greater participation of women; with indicators such as increased access of children to quality education, improved household nutrition, etc.

1. **PLANNED ACTIVITIES AND METHODOLOGY**

As articulated in the logical framework, the following will be done to ensure achievement of the objectives:

Objective 1: Strengthening the project’s effectiveness

* *Support for office operations (consumables, printing, photocopying, etc.) and internet modem* These items will purchased from Nairobi, where their prices are cheaper than in Kisumu.
* *Developing an interactive website for APC and its work; and enhancing presence on all social media fronts*
* *Establishing a model/demonstration garden (grown with the target crops)*A farm will be hired in the target sub-location or its neighborhood. About 0.125 ha is contemplated.
* *Social: Prevention of HIV/AIDS, call for all children to go to school, adopting horticulture, etc. campaigns*This awareness building will be done in churches, school PTA meetings, *barazas* (chief’s public gatherings) etc.
* *Market assessment and review of the value chain regarding leafy vegetables, tomatoes and onions in Kenya and in the target area (including market dynamics and prices of inputs and ready commodities)*This task will be given to the local university student intern that will be contracted.
* *Contracting an intern*To inspire young girls from the area to have greater educational goals, a young girl that has just finished her secondary education (and possibly awaiting to join university) will be contracted to assist in the project as an intern. Since Raphael is a student at the University of Nairobi, and the fact that resources to make minimum compensation to some other university student are not available, we will go with what we have and invite university students in on a need basis, and when some token is identified to motivate them in service.Among other responsibilities of the intern will be to translate materials and communication to local language or Kiswahili, as will be required from time to time.
* *Midterm review, final evaluation and audit of accounts conducted without delay* Mid-term review will be done after the 3rd month into implementation. Field visits will be planned, FGDs and KIIs as well as a stakeholders validation forum. The final evaluation will be done after the 6th month by a local consultant, while the audit of accounts will be done at the end of the year during which implementation will be done.

Objective 2: Farmers support

This will have two components

1. Horticultural crop production
* *Training in crop production techniques and pest control* 6 1-day trainings will be conducted, each having at least 30 farmers, with at least 15 of them being women. The curriculum and training materials developed by graduate students from the local university (Maseno University). Training will be within the target area.
* *Support farmers with inputs (seeds and seedlings) through their organizations*This will be through their groups. Some seedlings will be natured at the demonstration garden and shared to farmers through their groups. The representation of women in groups that APC will work with must be at least 50% of the group’s membership.
* *Facilitate the formation of farmers Savings and Credit Groups (SACGs) or the transformation of their groups into SACGs)*An empowering approach will be used in supporting farmers with inputs. This will be through encouraging them groups to initiate savings and credit schemes and merry-go-rounds.
* *Support local extension services through 3-day training of 12 field volunteers* To ensure grounding of the skills within the target groups, each of the 6 targeted groups will produce two people to be given a 5-day in-depth training on crop management, pest control, post-harvest handling and marketing. Training will be done in a local church in the area.
1. Post-harvest handling and marketing
	* + *A rapid assessment of post-harvest crop handling and marketing capacity done*
		+ *6, 1-day trainings on post-harvest handling of crops and marketing* This will be integrated in the training on crop production (above)
		+ *At least 1 Marketing Focal Points established in a local market*A stalls will be procured at a local market, and will be the reference point for farmers from Ebukhaya that will be selling their produce. Information on the prevailing prices of goods will also be available at the stalls. The stalls will be manned by volunteers, who will be from the target groups.

All communication regarding the project and the various developments will be posted on the APC website, social media sites, and short message texts to leaders of the farmers groups, and through visits to farmers’ homesteads.

1. **GENDER**

Women are the most affected by the economic situation in Ebukhaya. They have to struggle to fend for their families since majority of their husbands have neglected their responsibilities to their families and turned to excessive *chang’aa* [locally made alcoholic spirit]. The struggles of the women are seen in parents’ meetings that are called in the schools where their children attend [majority – about 90% of the parents that represent their children in parents meetings in this area are usually women]. In this project, positive discrimination in favor of women will be employed. A threshold of 50% has been planned as the least number, but more will be desired.

To gauge whether the women will be positively affected by the project, FGDs consisting of women will be organized. Also, when women get economically empowered, as opposed to men that go alcohol drinking and engaging in compromising behavior, they positively impact on their households in terms of improved livelihoods and nutrition. Their children also get the scholastic materials required of them by the schools – this is why this project intends to gauge its impact in terms of the schooling and motivation of children in school. In this project, we will target women groups in the villages and parents of the schools that APC has been working with. In this approach, more women will be reached. Further, the targeting of churches, especially the upcoming churches that are led by women will be another way of ensuring greater women participation in the project.

1. **MONITORING AND EVALUATION**

APC will develop a monitoring and evaluation framework based on the approved project. This will be done in consultation with the project’s benefactors.

1. **STATEMENT OF APC’S EXPERIENCE**

APC has been in existence since 2010 when it was registered as a Society in Kenya. It has worked in Ebukhaya since 2010, focusing on enhancing access of children to quality education. Under this, learning materials have been solicited from various places, including used clothes to be donated to children that come from poor households or are orphaned. In a school in the target village, APC mobilized some little resources that were used to purchase desks for children that were hitherto learning while seated on the floor. Training of parents in growing vegetables in sacks has been done in the area and in other areas in Kenya. The good relationship that APC has with the local people together with its Director, Raphael’s experience in organizing international visits (In 2010, Raphael and Joan organized a visit to various places by 80 visiting students from Netherlands under the Going Global theme, which was very successful) will make the project successful, and the ‘linking and learning’ between the resource persons from the two universities profound.

**MAKOKHA OTAKWA Raphael**

**Curriculum Vitae**

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1. **Education:**
* **Doctor of Philosophy**, Maseno University, *January, 2013 (ongoing).*
* **Master of Science**, University of Nairobi, *September, 2010 to August, 2012*.
* **Bachelor of Science**, University of Nairobi, *Sept, 1991 to Dec, 1996*.
* **High School Education,** Kenya Certificate of Secondary Education (KCSE), Starehe Boys Centre and School, *January, 1987 to October, 1990*.
1. **Professional Experience:**
* **Adjunct Lecturer,** Daystar University, Nairobi, *January, 2013 to date.*
* **Laboratory demonstrator,** Department of Physics, University of Nairobi, *September, 2010 to August 2012.*
* **Founder and Director,** African PRIDE Centre, *October, 2010 to date.*
* **Evaluator, European Commission (EC)-Funded Oxfam Novib Somalia/land Project,** Ascot Consultancy, *July, 2012.*
* **Manager, Renewable Energy Projects,** Sustainable Energies and Solutions Limited, *December, 2009 to date.*
* **Director for Education and Training Programme**, Organization of African Instituted Churches – Kenya Chapter, Nairobi, *June 2007 to September, 2010.*
* **Member, Steering Committee**, TheUfungamano Initiative on the Constitution, *August, 2003 to June, 2005.*
* **Member, Steering Committee,** The KenyaInter-Religious Aids Consortium (KIRAC) *August, 1999 to June, 2001.*
* **Member, Taskforce on HIV/Aids and Children**, The Inter-Religious Council of Kenya (IRCK) *August, 2001 to June, 2003.*
* **Principal Research Assistant,** Spirit, Desire and the World: Roho Churches of Western Kenya in the Era of Globalization, Ph.D. Thesis, University of Birmingham, U.K. by Padwick, Timothy John. *December, 1997 to June, 2001.*
* **Administrative Assistant,** Pastoral Information Network Programme (PINEP), Department of Range Management, University of Nairobi, *March, 1997 to Nov, 1997.*
* **Prefect-in-charge,** Voluntary Service Scheme (VSS), Starehe Boys Centre and School, *March, 1988 to November, 1990.*
1. **Skills:**

Excellent Programme/Project evaluation skills; Remarkable organizational and analytical skills; Proficient in written and spoken English, Kiswahili and Kinyore; Excellent rapporteuring and presentation skills.

1. **Publications**
* **Raphael MakokhaOtakwa J. Simiyu, S.M. Waita, and J.M. Mwabora,,**(2012). Application of dye-sensitized solar cell technology in the tropics: Effects of Air Mass on Device Performance. *International Journal of Renewable Energy Research (IJRER), (IJRER),* 2 (**2**), pp. 369 - 375*.*

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1. **Education:**
* **Primary Teachers’Examination**, P1 Teacher, Meru Teachers College, *September, 2002 to September, 2004*.
* **Kenya Certificate of Secondary Education (KCSE)**, Mean Grade of C+ (Plus), Keveye Girls High School, *February, 1997 to November, 2000*.
* **Kenya Certificate of Primary Education (KCPE),** Total Marks Attained – 368 out of a total possible 700 Marks, *January, January, 1988 to October, 1996*.
1. **Professional Experience:**
* **Manager, Education Programme**,African PRIDE[[1]](#footnote-2) Centre (APC), *September, 2007 to date.*
* **Teacher,** Prudent Academy, *July, 2006 to July, 2007.*
* **Private Tutor/Couch,** Ingolomosio Village Students, *April, 2005 to April 2006.*
1. **Skills:**
* Competent in Microsoft Office Computer packages,
* Remarkable organizational and analytical skills.
* Proficient in written and spoken English, Kiswahili and Luhya.
* Excellent institutional management skills,
* Excellent counselling skills (for children).
1. **Conferences and short courses attended:**
* Education and Work: Sharing experiences on alternative strategies for vocational training, 23-27 June, 2008, Sodore, Ethiopia.
* Training in strategic planning, October, 2006, by Undugu Society of Kenya, Nairobi, Kenya.
* Training on the International Convention on the Rights of Children, ICRC, November, 2004, Nairobi, Kenya.
1. **Local and international events organized:**
* APC Pre-Unit pupils’ graduation ceremonies,
* Edukans Foundation Going Global II to Kenya involving over 80 Dutch students, *February, 2010,*
* World Food Programme Research on Youths in Marginalized areas by 2 Dutch students, *April, 2010,*

**Appendix 1: Map of Emuhaya District**



1. Perennial Revival of Innovative Developments in Education. [↑](#footnote-ref-2)