

Terms of Reference for the Proposed Gas Exploratory Drilling in Blocks L4 and L13 in Lamu County

2012	Consultant for an Environmental and Social Impact Assessment for the establishment of Garden City -a Mixed Use Development- on Thika Road for Ruaraka Diversified Investments Ltd
2012	Consultant for the Athi River Thermal Power Plant and Equator Principles Due Diligence Analysis for Triumph Power Generating Company: Conducted a project GAP analysis based on IFC EHS Guidelines for Thermal Power; Equator Principles of July 2006 and IFC Performance Standards on Environmental Sustainability of 1 January 2012
2012	Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Exploratory Drilling on Blocks L08 offshore Kenya by Apache Kenya Limited
2011	Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L09 and L15 offshore Kenya by Ophir Energy/Dominion Petroleum Kenya
2011	Consultant for the Kinangop Wind Park Equator Principles and IFC Performance Standards GAP Analysis for Aeolus Kenya Ltd: Conducted a project GAP analysis based on IFC EHS Guidelines for Thermal Power; Equator Principles
2011	Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L08 and L09 offshore Kenya by Apache Kenya Limited
2011	Assistant Project Manager for the Environmental and Social Impact Assessment, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L10A and L10B offshore Kenya by BG Group
2011	Project Manager for the Environmental and Social Impact Assessment for the Apache Corporation Seismic Survey and exploratory drilling on Block L08 offshore Kenya
2011	Assistant Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for 2D and 3D Seismic surveys on Blocks L10A & L10B by BG Group
2010	Project Manager and Lead Consultant for the Environmental and Social Impact Assessment Study and Resettlement Action Plan for the World Bank Funded National Irrigation Board Lower Nzoia Irrigation Development Project.
2009	Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for offshore 2-D Seismic Survey in Blocks L-05, L-07, L-12, L-11A, and L-11B Offshore Kenya for Anadarko Petroleum Company
2008	Consultants and Team Leader for Social Impact Assessment Study for Africo Resources Limited (ARL) Kalukundi Copper-Cobalt Mining Project in DRC.
2008	Project Manager for the Environmental and Social Impact Assessment of IberAfrica Expansion Project. The project was to increase IberAfrica generation capacity by 52.5MWe through generation on 4-stroke stationary marine diesel generating sets running on Heavy Fuel Oil.
2007	Public Consultation Consultant for Rapid Baseline Social Analysis for the Regional Rusumo Falls Hydroelectric & Multipurpose Project on Transboundary Water Resource Management
2007	Environment and Social Impact Assessment Study for White Nile Ltd Exploratory Drilling in South Sudan, Jonglei State. The ESIA study included Socio-economic Assessment, Ecological Assessment, Hydrological Assessment and Stakeholder Involvement and Public Consultation Process.
2007	Team Leader for Environmental and Social Impact Assessment Study and Resettlement Action Plan for Rukarara Hydro Power Project. The project is along what is considered the source of Nile in Rwanda.
2006	Project Manager and Lead Consultant for the Environmental and Social Impact Assessment (ESIA) for the proposed Kenya Electricity Generating Company Emergency Power Plant in Eldoret implemented by Aggreko in installing 40 MW generators

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2006	Project Manager and Lead Consultant for the ESIA for the KenGen Ltd Kipevu III and IV Gas Turbine Power Project involving installation of 2 dual purpose GT with a capacity of generating 60 megawatts in Mombasa.
2006	Consultant for Tenke Fungurume Mining Project (Phelps Dodge Corporation) for Public Participation for Environmental and Social Impact Assessment (ESIA) for the proposed copper and cobalt mining and processing project in the DRC. Gathering comments by stakeholders were made in writing, telephonically, and verbally during focus group meetings, discussion sessions and one-on-one meetings.
2005	Environmental Assessment and Management Plan for integrated wind and diesel Gen set power generation by Mpeketoni Electricity Project (MEP). The study was commissioned by E7 and facilitated by Energy for Sustainable Development (ESD)
2005	Consultant for Development of Health Care Waste Management Plan for Kenya funded by World Bank and the Ministry of Health
2002	Consultant Strategic Environmental Assessment for the in-vitro propagation of banana cultivars a Biotechnology project to Benefit Small-scale Banana Producers in Kenya funded by Rockefeller Foundation & International Service for Acquisition of Agri-biotechnology Application-Africenter.
Education	
2008	Master of Environmental Planning and Management
2007	IAIA, South Korea-Certificate in Social Impact Assessment
2005	Post Graduate in Environmental Management, Galilee College –Israel
2004	Benfield Hazard Research Center, University College London. Certificate in Rapid Environmental Assessment in Disasters
2004	USAID-REDSO. Certificate in Environmental Assessment and Management
2004	Tellus institute/ Stockholm Environment Institute. Certificate in Environmental Assessment and Sound Design of Projects
2000	Kenyatta University: Bachelor of Environmental Studies (Environmental Planning and Management)

4.2.2. James Kambo – ESIA Specialist

Proposed Position:	ESIA Expert, Environmental Planner
Year of Birth:	1976
Profession:	Environmental Planning and Management Expert
Years with the Firm:	14
Nationality:	Kenyan
Key Qualifications	
James Kambo holds a Bachelor’s degree in Environmental Planning and Management, certificate in Trans-boundary Water Management and Computer Applications in Environmental Management. In the Oil and Gas, sector Mr Kambo experience spans from being a consultant for 2D and 3D Seismic Surveys ESIA’s for Apache, Anadarko, BG UK, FAR Ltd and Ophir. James has over the past decade participated in numerous projects and studies a significant number of these taking the lead role. These range from Environmental Management Systems, Strategic Environmental Assessment, Environmental Auditing, to project evaluations and natural resource management.	
Professional Affiliations	
International Association of Impact Assessment	
East African Association for Impact Assessment	
Petroleum Institute of East Africa	
Kenya Forests Working Group (KWFG).	
National Environment Management Authority- Lead EIA Expert No.0713	
Professional Experience	
2014	Socioeconomic consultant for Tullow Exploratory Drilling Environmental and Social Impact Assessment in Block 12A
2014	Consultant for Tullow Operations Legal Register
2014	Team Leader for Eni Kenya Seismic Survey Environmental and Social Impact Assessment for Blocks Blocks L21,L23 and L24 D
2013	Project Manager for the Environmental and Social Impact Assessment Study in Blocks L10A & L10B Offshore Kenya for the proposed drilling program for BG Kenya
2013	Project Manager for the Environmental and Social Impact Assessment Study for Fugro Multi Client Services Ultra Deep Water Blocks 2D Seismic Survey Offshore Kenya in Blocks L21, L22, L23, L24, L25, L26, L27, & L28
2013	Environmental and Social Impact Assessment for the ReConsult (Turkey) Wind Power Plant in West Pokot, Kenya
2013	Project Manager for the Communication Strategy, Environmental Monitoring and Reporting and Grievance Redress Mechanism for the Additional Seismic Survey in Blocks L10A and L10B Offshore Kenya for BG Kenya
2012	Assistant Team Leader for the Environmental and Social Impact Assessment Study for the Flow Energy/FAR Ltd Offshore Oil Exploratory Drilling Project in Block L06 Kenya Offshore Kenya
2012	Assistant Team Leader for the Flow Energy/FAR Ltd Communication Strategy, Environmental Monitoring and Reporting and Grievance Redress Mechanism for the Seismic Survey in Block L06 Offshore Kenya
2012	Project Manager and Lead Consultant for the Environmental and Social Impact Assessment Study for the establishment of Garden City-a Mixed Use Development- on Thika Road for Ruaraka Diversified Investments Ltd

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2012	Project Manager and Lead Consultant for the Athi River Thermal Power Plant and Equator Principles and IFC Performance Standards GAP Analysis for Triumph Power Generating Company: Conducted a project GAP analysis based on IFC EHS Guidelines for Thermal Power; Equator Principles of July 2006 and IFC Performance Standards on Environmental Sustainability
2012	Project Assistant for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Exploratory Drilling on Blocks L08 offshore by Apache Kenya Limited
2011	Project Manager and Lead Consultant for the Kinangop Wind Park Equator Principles and IFC Performance Standards GAP Analysis for Aeolus Kenya Ltd: Conducted a project GAP analysis based on IFC EHS Guidelines for Thermal Power; Equator Principles of July 2006 and IFC Performance Standards on Environmental Sustainability of 1 January 2006
2011	Assistant Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L09 and L15 offshore Kenya by Ophir Energy/Dominion Petroleum Kenya.
2011	Assistant Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L08 and L09 offshore Kenya by Apache Kenya Limited.
2011	Project Manager and Lead Consultant for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Seismic Survey on Blocks L10A and L10B offshore Kenya by BG Group
2010	Consultant for Environmental and Social Assessment Study and Resettlement Action Plan for the Lower Nzoia Irrigation Development Project will involve the construction of new water abstraction, conveyance, and distribution and drainage structures. It will also involve the construction of inspection and farm roads along the major infrastructure and farmers' fields.
2009	Assistant Project Manager for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for Offshore 2D Seismic Survey in Blocks L05, L07, L12, L11A & L11B Offshore Kenya for Anadarko Petroleum Company
2008	Consultants for Social Impact Assessment Study for Africo Resources Limited (ARL) Kalukundi Copper-Cobalt Mining Project in DRC.
2008	Assistant Project manager for the Environmental and Social Impact Assessment Study of IberAfrica Expansion Project. The project was to increase IberAfrica generation capacity by 52.5MWe through generation on 4-stroke stationary marine diesel generating sets running on Heavy Fuel Oil.
2007	Assistant Team Leader for Environmental and Social Impact Assessment Study and Resettlement Action Plan for Rukarara Hydro Power Project. The project is along what is considered the source of Nile in Rwanda.
2007	Consultant for Lake Victoria Environmental Management Programme Phase II Environment and Social Management Framework
2007	Environment and Social Impact Assessment Study for White Nile Ltd Exploratory Drilling in South Sudan, Jonglei State. The ESIA study included Socio-economic Assessment, Ecological Assessment, Hydrological Assessment and Stakeholder Involvement and Public Consultation Process.
2007	Public Consultation Consultant for Rapid Baseline Social Analysis for the Regional Rusumo Falls Hydroelectric & Multipurpose Project on Transboundary Water Resource Management
2006	Consultant for the ESIA for the KenGen Ltd Kipevu III and IV Gas Turbine Power Project involving installation of 2 dual purpose GT with a capacity of generating 60 megawatts in Mombasa.
2006	Consultant for the Environmental and Social Impact Assessment (ESIA) for the proposed Kenya Electricity Generating Company Emergency Power Plant in Eldoret implemented by Aggreko in installing 40 MW generators

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2006	Consultant for Tenke Fungurume Mining Project (Phelps Dodge Corporation) for Public Participation for Environmental and Social Impact Assessment (ESIA) for the proposed copper and cobalt mining and processing project in the DRC.
2005	Consultant for Initial Environmental Audit and Institutional Capacity Assessment for Kakuma and Daadab Refugee Camps. Key areas of assessment within this study were water and sanitation, security and health.
2005	Environmental Assessment of 'The raising of Masinga Dam Project.
2004	Consultant Environmental Assessment and Land-Use Management Plan for the wider, trans boundary L. Jipe ecosystem.
Education	
2008	World Bank African Safeguard Policy Enhancement. Certificate in Environmental and Social Safeguards
2007	International Association for Impact Assessment: Certificate in Strategic Impact Assessment and Strategic Decision-Making
2007	Rambol Natura - Sweden Certificate in certificate in Trans-boundary Water Management
2000	Kenyatta University. Bachelor of Environmental Studies - Planning and Management
1999	Kenyatta University. Microsoft DOS, Windows, PowerPoint, MS office, Excel and Corel 9. African Virtual University
1999	Kenyatta University: Computer Applications in Environmental Management. Included the use of statistical use of data analysis programs such as SPSS
1999	Petroleum Focus. Transport, Safety and Environment in the Petroleum Transport Sector. An in-depth examination of critical issues in petroleum handling, transportation and storage with relation to human and environmental safety.

4.2.3. Philip Wandera – Socio-economist

Proposed Position	Socio-economist
Year of Birth	1957
Profession	Socio-economist
Years with the Firm	4
Nationality	Kenyan
Key Qualifications	
<p>Mr. Wandera is a leading and respected environmental practitioner specializing in environmental economics. He has a sound background in natural resource management, Environmental Impact Assessments and Audits. Additively, he is a respected sociologist in East Africa having played a key role as a sociologist in a number of projects cutting across various sectors such as housing, infrastructure, energy, oil and gas exploration to mention but a few. In addition, he was the lead socioeconomist for oil and gas exploration for Anadarko Petroleum Corporation Environmental and social Impact Assessment, stakeholder communication strategy and incident and accident reporting for offshore 2-D Seismic Survey Kenya blocks L-05, L-07, L-12, L-11A, and L-11B. Flow Energy/FAR Ltd Communication Strategy, Environmental Monitoring and Reporting and Grievance Redress Mechanism for the Seismic Survey in Block L06 Kenya. Environmental Assessment for 2D and 3D Seismic surveys on Blocks L10A & L10B by BG Group to mention but a few.</p>	
Professional Affiliations	
Member-United Nations Association	
Member- Kenya Institute of Management	
Member- East African Wildlife Society	
Member- The Wildlife Society (USA)	
Professional Experience	
2014	Socioeconomic consultant for Tullow Exploratory Drilling Environmental and Social Impact Assessment in Block 12A
2013	Consultant for the Environmental and Social Impact Assessment Study for the Fugro Multi Client Services Ultra Deep Water Blocks 2D Seismic Survey Offshore Kenya in Blocks L21, L22, L23, L24, L25, L26, L27, & L28
2012	Consultant for the Environmental and Social Impact Assessment Study for the Flow Energy/FAR Ltd Offshore Oil Exploratory Drilling Project in Block L06 Kenya Offshore Kenya
2012	Consultant for the Environmental and Social Impact Assessment Study, Communication Strategy and Grievance Redress Mechanism for the Proposed 2D and 3D Exploratory Drilling on Blocks L08 offshore Kenya by Apache Kenya Limited
2012	Consultant for the Baseline Study of the improvement of Rural Roads and Market Infrastructure in Western Kenya, Government of Kenya and KFW funded project
2012	Review and Environmental Assessment Practices in Kenya for World Wildlife Fund
2012	Project Completion Review for the IFAD GEF Sponsored Mount Kenya East Pilot Project for Kenya Wildlife Service
2011	Consultant for the Environmental and Social Impact Assessment of Seismic Survey exploratory program in Block L-10A and L-10B Offshore Kenya by BG Group
2011	Consultant for the Baseline Survey for ecological, biodiversity, socio-economic assessment, identification of Nature Based Enterprise and Development of Business Plans for the Community Based Natural resource management project for the rehabilitation of Aberdare East Ecosystem by Green Belt Movement

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2011	Consultant for the environmental, ecological, and social economic analysis of plantation areas targeted for concessioning for Kenya Forest Services
2011	Consultant WWF Mau Project on the design for Payment of Ecosystem Services (PES). The Government and stakeholders would wish to pilot the concept of payment for ecosystem and environmental services under the REDD and carbon credit mechanism.
2006	Part-time Lecturer: Catholic university of Eastern Africa, Nairobi. Taught undergraduates Economics, Project Management, and Relief and Development Assistance courses.
2002	Project Co-ordinator, TANA Global Environmental Facility (GEF) Project. The GEF Project was funded through the World Bank. It was a five-year project with \$US 6.2 million budget.
2002	Wildlife Utilization Economist, Kenya Wildlife Service, and Conservation of Bio-resource Areas Project (COBRA). This was a USAID supported project. It was a five year project with a total budget of \$US 7 million. The objective of this project was to start and sustain a Community Wildlife Service Programme that would enlist the participation of Kenyans in wildlife management and conservation outside protected areas.
1994	Regional Project Coordinator: Arid Land and Resource Management (ALARM) Project, African Centre for Technology Studies (ACTS).
1992	Research Scientist: ACTS Dry lands Institute, African Centre for Technology Studies (ACTS) During this period, I developed four main project proposals that were funded; one by the Swedish Forest Trees People Programme (FTPP), two by the International Institute of Environment and Development (IIED) and one by the Ford Foundation. I also undertook research with emphasis on the application of science and technology to sustainable development and, organized research meetings, seminars, conferences, symposia, and workshops.
1989	Field Tutor (part-time), External Degree Programme, University of Nairobi. Taught undergraduates from Coast and North Eastern provinces of Kenya who were on the External Degree Programme.
1989	Lecturer, Mombasa polytechnic, Mombasa. Taught Economics and Business Studies to students pursuing courses in Accountancy, Banking, and Business management and Marketing entrepreneurship; and, trained small and medium business people in business management.
Education	
1993	Masters in Environmental Economics, Moi University
1984	Post Graduate Diploma in Education, University of Nairobi
1986	Diploma in Business Management, Business Management Association, London
1980	BSc. (Hons) Economics and Rural Economy, Makerere University

4.2.4. Dan Odero – Hydrologist

Proposed Position	Hydrologist
Year of Birth	1964
Profession	Waste Water and Sanitation Management
Years with the Firm	9
Nationality	Kenyan
Membership in Professional Bodies/Societies	
Panel II Licensed Water Engineer, Ministry of Water and Irrigation (Hydrogeology) No. WP/WRP/001/35	
MIAH (Member International Association of Hydro-geologists) No. 124704	
MGSK (Member Geological Society of Kenya) No. 431	
Key Qualification	
<p>Mr Odero is trained in groundwater and surface water resources assessment and has over 22 years of experience in the sector, where he has worked in both the public and private sector. He was the coordinator for the Water Resources Assessment and Planning Project, (WRAP-Marsabit & Moyale, 1993-1996); coordinated community water and sanitation projects in Kenya, Sudan, Uganda and Somalia. He was recently preoccupied with catchment studies including the Nairobi Aquifer Suite, Lake Ol Bolossat Aquifer, Kikuyu Springs Catchment Study (to delineate its recharge source and mechanisms). Mr Odero who is also experienced in geophysical geotechnical investigations for construction projects has worked in projects in countries such as Kenya, Uganda, Tanzania, Zambia, Uganda, Sudan, Somalia, and Djibouti.</p>	
Professional Experience	
2011	Mkurumudzi Dam development, Base Titanium Kwale; geotechnical studies component; IGIP-Tertiary
2011	National Water Master Plan 2030: Water Resources Management Component WRMA –Tana Catchment Forum Pilot team leader; Norken (I) on subcontract Nippon-Koei
2011	Mombasa Solid Waste Management Project, Water Sources Vulnerability Study; Ingerop Africa - Howard Humphreys (EA). On-going
2011	Baricho Waterworks rehabilitation: Engineer’s representative for large diameter wells cleaning
2010	Water Resources Feasibility Study, Isiolo Central, and Ol donyiro divisions; World Vision Kenya
2010	Kikuyu Springs Aquifer Recharge Study; Water Resources Management Authority; team leader, Norken (I) Ltd. On-going
2010	Feasibility Study & Master Plan for Developing New Water Sources for Nairobi and Satellite Towns: Groundwater Sources; Local hydro-geologist BCEOM-MIBP Consortium
2010	Groundwater Resources Study in the Lake Ol Bolossat catchment: Rehabilitation and Augmentation of Nyahururu Water Supply and Sanitation Services, APEC-IGIP-Tertiary Consortium
2010	Hydro-geological investigations, Kenya Petroleum Refineries Mombasa- 2D investigations resistivity and IP to differentiate clays and saline water. Kenya Petroleum Refineries Ltd

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2010	Hydro-geological Survey for 10 Villages in Sanaag Region, Somali; Horn Relief
2010	Geophysical/ hydro-geological investigations, landfill at Mombasa Solid Waste Management Project, sub-consultancy of Ingerop Africa-Howard Humphreys (EA) Ltd.
2010	Baseline Survey, ESIALK IV Water and Sanitation Project, Afgoye Somalia: Islamic Relief
2010	Various groundwater surveys - Timafloor Growers, Equatorial Nut Processors, Silipani Farm, Limkah Traders, Peter Arina, Mbuthi Investments, Githua Investments, Jumeki, Gladys Wairimu, Kenya Nut Company, Mwenje School, Mooreland Hotel, Segera Ranch etc.
2009	Baseline survey Afgooye Corridor Mogadishu: Islamic Relief Somalia
2009	Evaluation, ESIALK II Water and Sanitation Project, Afgoye Somalia: End of phase evaluation of 10-month duration emergency water sanitation and health project; Islamic Relief Somalia
2009	Baseline Survey, ESIALK III Water and Sanitation Project, Afgoye Somalia: Baseline data collection, review and analysis; drawing up of project M&E plan; Islamic Relief, Somalia
2009	Environmental Audit, Dadaab and Kakuma Refugee Camps, UNHCR: Audit of ongoing UNHCR operations in Dadaab and Kakuma; UNHCR, Kenya (with ASAL Eng. Cons)
2009	Groundwater resource survey, Ileret, East Turkana Basin, Kenya: Hydrogeological survey for the Turkana Basin Institute/ Richard Leakey
2009	2D electrical resistivity tomography hydrogeological investigations, Borana Ranch, Timau North: 2 borehole sites.
2009	2D electrical resistivity tomography hydrogeological investigations, Lolomarik Farm, Timau: Sited 2 boreholes
2009	2D Electric Resistivity Tomography work for groundwater resource survey, Ileret, East Turkana Basin, Kenya: Hydrogeological survey for the Turkana Basin Institute
2009	2D Electric Resistivity Tomography work for groundwater resource survey, Borana Wildlife Conservancy, Ngare Ndare, Kenya
2009	2D Electric Resistivity Tomography work for groundwater resource survey, Lolomarik Farm, Timau, Kenya
2009	Consultant, Resistivity Plant Trainer for WRMA hydro-geologists on use of ABEM Terrameter 1000 for 2D and 3D electrical resistivity tomography (ERT); WRMA/ Kenya Water Support Program
2009	Rehabilitation of irrigation system, Thika School for the Blind, The Salvation Army Rehabilitation of Rachuonyo District Water Supplies, and Kenya: Assessment of rehabilitation needs for river, borehole
2008	Expert Witness: Environmental Impact Assessment appeal case to National Environmental Tribunal, against NEMA and Blazer Watamu, respondents: site investigations on impact to groundwater for coastal development Malindi; case won for Watamu Marine Stakeholders Association/ Beach Management Unit, WMSA/Watamu BMU

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2008	Water Resources Assessment Advisory for Government of Djibouti, sub-consultancy to Global Engineering Consultants: Technical adviser for the "Service des Ressources En Eau", Directorate of Water in the Ministry of Agriculture, Irrigation and Water Resources, Djibouti.
2008	Geotechnical investigations for bridge foundations, Mt Kenya Rural Roads Project, Ministry of Roads & Public Works on sub-consultancy to Norconsult AS Ltd: 2D ERT
2008	Borehole site investigations for Drilling Services International, Juba Sudan; siting of 10 boreholes
2008	Borehole site investigations, Timau: Homegrown (K) Ltd/ James Finlay (K) Ltd: 2D ERT for siting 7 boreholes
2007	Evaluation Consultant, SWAS (Kenya)-Technical Assistance (Belgium) Joint Venture: Baringo Water Project; Kingdom of Belgium/ Govt. of Kenya
2007	Environmental Impact Assessment on sub-consultancy from GASS Associates: EIA of proposed 115-acre Timafloor flower farm; East African Growers Ltd
2007	Groundwater resources and water balance study, Lolomarik Farm, Timau: Vitacress UK
Education	
1993	MSc Hydrogeology, University of Nairobi
1989	Certificate in Geophysical Data Interpretation, TNO Institute of Applied Geosciences, Delft
1988	BSc Geology, University of Nairobi

4.2.5. Godfrey Angoe Wafula – Environmental Chemist

Proposed Position	Godfrey Angoe Wafula
Year of Birth	
Profession	Environmental Chemist
Years with the Firm	
Nationality	Kenyan
Key Qualifications	
<p>Godfrey Angoe Wafula is a lecturer in the department of Chemistry at the University of Nairobi and has more than 30 years' experience in the field of atmospheric chemistry. He has a number of PhD research projects/ supervisions, publications and workshop presentations in the field of air pollution and atmospheric chemistry. His PhD research topic is "A study of particulate matter and other selected gaseous pollutants in chosen sites within the country- Kenya". One of his key notable achievements is in the award for the Agricultural Research Fund (KARI) funded research project entitled: "The Identification, Distribution and Impact of Mineral Imbalances and Disorders in Grazing Livestock." The project was rated second overall best by the ARF during the project conference held at KARI Headquarters on 2nd to 4th December 2003.</p>	
Professional Affiliations	
<p><u>MEMBERSHIP OF DEPARTMENTAL AND COLLEGE COMMITTEES (DEPARTMENT OF CHEMISTRY AND COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES (CBPS), UNIVERSITY OF NAIROBI)</u></p> <p>(1) Chairman of the Departmental Welfare Committee. (2) Chairman of the CBPS Agricultural Show Committee. (3) Coordinator of the CBPS Exhibitions Committee.</p> <p><u>MEMBERSHIP OF SOCIETIES AND TECHNICAL COMMITTEES</u></p> <p>(1) Committee member of the Nairobi Trace Element Satellite Centre of UNESCO. (2) Member of the Air Quality Technical Committee of the Kenya Bureau of Standards</p>	
<u>PUBLICATIONS</u>	
<p>(1) Wafula, G. A.; Jumba, I. O. and Kamau, G. N. (1999). Measurement of some air pollutants in selected areas of Nairobi and its environs and in other selected industrial sites. MSc. Thesis, University of Nairobi. (2) Jumba, I. O.; Mirikau, C. W.; Sikuku, R.; Madadi, V. O.; and Wafula, G. A. (2005). Unintentional Persistent Organic Pollutants (UPOPs). Kenya National Inventory of Persistent Organic Pollutants under Stockholm Convention. Final Report UNEP, Nairobi. (3) Were, F. H.; Kamau, G. N.; Shiundu, P. M.; Wafula, G. A. and Moturi, C. M (2012). Air and blood lead levels in lead acid battery recycling and manufacturing plants in Kenya. Journal of Occupational and Environmental Hygiene 9:340-344. (4) Were, F. H.; Moturi, C. M.; Kamau, G. N. and Wafula, G. A. (2013). Respiratory diseases due to occupational exposure to nickel and chromium among factory workers in Kenya. Journal of Community Medicine and Health Education 3:252. doi:10.4172/2161-0711.1000252. (5) Were, F. H.; Moturi, C. M.; Gottesfeld, P.; Wafula, G. A.; Kamau, G. N. and Shiundu, P. M. (2014). Lead exposure and blood pressure among workers in diverse industrial plants in Kenya. Journal of Occupational and Environmental Hygiene 11:706-715.</p>	
Professional Experience	
2016	Air quality assessment for the baseline studies for the Zarara gas drilling programme in Pate Island, Lamu County.
2015	Air quality assessment for the baseline studies for the Stanlib Athi River Mixed Used Development

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2013 to date	Assessment of the physical and chemical properties of diverse pest product formulations prior to their registration with the Pest Products Control Board, Kenya
2006 to date	Air, Water, Forage and Soil Quality monitoring along the Kenyan Northern Corridor Road (Northern Corridor Transport and Infrastructure Project)
2005 to date	Phase III of the Nairobi River Basin Programme: Member of the University of Nairobi team of Consultants that was Contracted by UNEP.- Developed a Water Quality Monitoring Protocol for the Nairobi River Basin, Assessed the Water Quality of the Nairobi Rivers and Updated the Database for Environmental Audit Reports on Water Quality of the Nairobi River Basin
1996 to date	Assessment of air quality, effluent gases, water quality and wastewater at: Tata Chemicals Limited, Magadi (Magadi, Kenya), Steel Enterprises Limited (Kikuyu, Kenya), Bata Shoe Company (Limuru, Kenya), African Diatomite Industries (Kariandusi, Kenya), Unilever (Kenya), De-La Rue (Kenya), GlaxoSmithkline (Kenya), Sony Sugar Company (Awendo, Kenya), Kenya Seed Company (Kitale, Kenya), Athi River Mining Company (Kaloleni, Kenya), BOC Gases (Kenya), Kwale International Sugar Company (Kwale, Kenya), Ngamia 1 Oil Well and Lodwar Town (Turkana County, Kenya), Mombasa Southern Bypass (Mombasa, Kenya), Associated Battery Manufacturers (Athi River and Nairobi, Kenya), East African Portland Cement Company (Athi River, Kenya), Aziz Tanneries Limited (Nairobi, Kenya), Juba Port (Juba, Southern Sudan) and the National Irrigation Board (Mwea, Bura and Hola Irrigation schemes).
2004	Phase one of the "Enabling Activities for the Stockholm Convention on Persistent Organic Pollutants: National Implementation Plan for Kenya."
Education	
<ul style="list-style-type: none"> • Ph.D. in Environmental Chemistry - Registered in the Department of Chemistry, University of Nairobi (in the final stages). • M.Sc. in Environmental Chemistry • B.Sc. in Chemistry 	

4.2.6. Dorothy Suleh- ESIA/GIS Specialist

Proposed Position:	Environmental /GIS Expert
Year of Birth:	1989
Profession:	Environmental
Years with the Firm:	1
Nationality:	Kenyan
Professional Affiliations	
National Environment Management Authority- Registered Associate Expert No. 7066	
IEMA Graduate Member	
Key Qualifications	
<p>Dorothy Suleh graduated from the University of East Anglia with a master's degree in Environmental Assessment and Management and a Bachelor's degree in Environmental Science from the University of Plymouth. She has been involved in projects from different sectors including irrigation, energy, oil and gas industry, catchment management, infrastructure, and housing. Strong involvement has been in the oil and gas sector as a researcher aiding in field data collection. Some of the projects where she has been involved include:-eni B.V Kenya 3D Seismic Survey in Block L21, L23&L24 Offshore Kenya; FAR Energy Exploratory Drilling in Block L06 Offshore Kenya; Dominion/Ophir Energy Seismic Survey in Block L09 and L15; BG Kenya Additional Seismic Survey notification in Block L10A &L10B and Fugro Multi Client Services Ultra Deep Water Seismic Survey in Blocks L21 to L28, Offshore Kenya.</p>	
Employment Record/ Professional Experience	
2014	GIS Specialist for Tullow Kenya Environmental and Social Impact Assessment for exploratory drilling in Block 12A
2014	Consultant for the development of legal register in collaboration with ERM (South Africa) for the proposed Pipeline from Turkana to Lamu by Tullow Oil Kenya
2014	Environmental Researcher and support staff for the Environmental Social and Health Impact Assessment (ESHIA); stakeholder engagement for the Corporate Social Responsibility (CSR) baseline study; and research for the legal register for the Kenya L21, L23 and L24 Blocks- 2D and 3D Seismic campaign for Eni Kenya B.V.
2014	Environmental and support staff for the Environmental Impact Assessment (EIA) study report for the Photovoltaic Solar Energy project in Kesses Division, in Uasin Gishu County of Kenya: for the Alten Kenya Solarfarms B.V. Worked in research and baseline data collection.
2013	Environmental Researcher and support staff for the Environmental and social impact assessment (ESIA) for the proposed Establishment of 4 Degrees Luxury Apartments in Nyali, Mombasa County (Kenya): for the Sunshine Beach Hotels Ltd. Work involved reviewing the ESIA document.
2013	Environmental Researcher and support staff for the ESIA report for the Tilapia Farm Project located along the highway between Nairobi and Mombasa at Kiboko Area, Kajiado County; for the North South Partnership (NSP) Kenya Limited. Work involved reviewing the ESIA document.
September 2008- May 2012	<p>Worked as a volunteer officer for several organizations during her undergraduate degree, such as: the Conservation Volunteers – TCV, the Marine Biological Association (MBA- Sharc group), the University of Plymouth Students' Union volunteer group, Moor trees and Opal.</p> <p>Most of the work involved conducting environmental outreach educational programs; office administrative work; environmental conservation work such as habitat restoration and maintenance; and marine conservation work.</p> <p>She also conducted habitat survey for both marine and terrestrial around the south west England for the Marine Biological Association, Moor trees and Opal.</p>

Terms of Reference for the Proposed Gas Exploratory Drilling in Blocks L4 and L13 in Lamu County

Education	
2013	MSc Environmental Assessment and Management from the University of East Anglia, UK
2012	BSc (Hons) Environmental Science from the University of Plymouth, UK
2009	BSc (Hons) Extended Science (Foundation year) from the University of Plymouth, UK