

TABLE 8-1: ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

Environmental Issue	Location	Management & Mitigation Measures	Responsibility	Time Frame	Estimated Costs
Illegal hunting of bushmeat by workers during construction		- resistant species (eg hardwoods); - Establish network of fuel breaks or less flammable materials - KPLC & KFS will prohibit project workers from hunting bushmeat, possessing firearms, snares and other hunting equipment, and sufficient wages to reduce need to supplement purchased food with bushmeat & non-timber forest products (NTFPs)			
	Nakuru Lake Forest, Londiani Forest, Mt. Londiani Forest, Timboroa Forest, and N. Tinderet Forest		KPLC, together with KFS, to randomly inspect vehicles at ingress and egress points of construction areas in the vicinity of forest areas	Construction phase	Additional security costs in forested areas during construction (KShs 1,000,000)
Impacts on Wetland Ecosystems					
Anticipated that large-scale earthworks might cause suspended solids to be mobilised into the water body	Lakes Naivasha, Elementaita and Nakuru	- Use of existing road corridors for construction and operational access wherever possible; - Fine tuning of tower locations in consultation with local communities; - Footings of towers will be built to address wet season conditions; - Use of specialized construction techniques where necessary; - Spanning towers across wetland. - A Waste Management Programme will be developed by the EPC Contractor, to include: - Provision of appropriate number of mobile toilets at worksites; - Training of construction employees on project sanitation practices - EPC Contractor to ensure	KPLC to inspect construction activities in the wetland areas regularly	Construction phase	No additional cost. Based on sound engineering practice
Potential for microbial contamination of surface water and soil	Active construction sites, Staging Area		Effluent shall be monitored at the discharge point of the Site Effluent treatment works by the EPC Contractor. Monthly Environmental Inspection report to be completed by KPLC.	Construction phase	Production of monthly environmental inspection report (KShs 1,000,000)
Deposition of eroded	Throughout the		Periodic inspection of	Construction	No additional

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soils into watercourses; Disturbance of flows and habitat from installation of culverts and bridges	transmission line project	- towers to be located outside the top-of-bank of all watercourses; Existing bridges to be upgraded, rather than new bridges installed; - A vegetated buffer will be maintained along both sides of all watercourse crossings	watercourse crossings by Site Environmental Officer	phase	cost. Based on sound engineering practice
Soil Erosion Impact from Vegetation Clearance					
Soils exposed during site preparation, vegetation clearance, and building.	Active construction areas	- Contractor should ensure the recovery of exposed soils with grass and other ground cover as soon as possible; - Contractor should ensure that erosion and cut slope destabilization are addressed through landscaping and grassing, carting away and proper disposal of construction wastes in the various site works; - Compaction of spoil areas and effective drainage of spoil sites; - Contractor should ensure that all wastewater is drained into approved drainage facilities.	KPLC Project management; Contractor	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)
Impacts of Construction Material Sourcing e.g. quarrying					
Erosion of soils on steep slopes disturbed by excavation for tower footings or clearing for access track	Steep slopes along extent of transmission lines, including Maji Mazuri, Naivasha and Nandi Escarpment	- Where practical, steep slopes will be avoided by KPLC and the EPC Contractor during final tower spotting and access tracks will be routed across rather than vertically on steep slopes; - Vegetation clearing will be avoided on steep slopes. All	Periodic inspection by the EPC Contractor of steep slopes during construction and rehabilitation measures following construction	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)

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		exposed soils on steep slopes will be rehabilitated immediately following construction activities; • Areas susceptible to erosion shall be properly sloped and compacted to reduce the effect of runoff and shall be seeded immediately; • Use lower impact/tracked vehicles for pulling stringing ropes along ROW			
Topsoil compaction, rutting and mixing from: grading, excavations and transportation of equipment, concrete and steel to tower sites over access roads and ROW	Areas to be cleared or excavated along transmission lines including tower sites and access tracks	• Use existing access roads or tracks wherever available; • Strip and store topsoil separate from subsoil for major tower site excavations; • In agricultural areas, movement of heavy equipment will be restricted during wet-soil conditions to prevent subsoil compaction; • Rehabilitation of exposed soils as soon as practicable	Following construction, the EPC Contractor to check for compaction on cultivated soils outside the ROW and remediate as necessary	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)
Impacts on Fauna & Avifauna					
The power lines introduce a physical hazard to birds and climbing animals	Entire length of lines	• Risk of electrocution by large climbing animals, such as vervet monkeys, or bats not expected as spacing of conductors and length of insulators exceeds the reach of the climbing species and wingspan of bats present in the project area; • Proposed line will avoid as much as possible any significant bird breeding or staging areas;	KPLC, in collaboration with KWS, to report unusual bird strikes and/or animal electrocutions, in regular compliance reporting.	Planning, construction & operation phases	No additional cost. Based on sound engineering practice

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		- Where transmission line will cross areas that are potentially important as bird flight paths KPLC shall take reasonable measures to make the conductor more conspicuous; - Possible use of underground transmission line in sensitive areas; - Use of reflectors placed at intervals along the conductor.			
Injury and fatalities arising from migratory birds colliding with transmission lines	Lakes Naivasha, Elementaita, and Nakuru	- The proposed line is expected to be located as far away as possible to any significant breeding or staging areas; - migratory bird routes will be considered; - transmission line should be dressed with more conspicuous conductors and reflectors placed at intervals along the line; - Line to be located adjacent to prevailing natural obstacles, such as trees or cliffs, to prevent collision with conductors and reduce visual impacts; - be routed through low risk areas and away from aircraft flight paths within Soysambu Conservancy	KPLC to liaise with KWS & Soysambu conservancy to monitor and record bird fatalities; KPLC to maintain records of abnormal bird strikes and corrective actions taken	Planning, construction & operation phases	No additional cost. Based on sound engineering practice
Impacts on Aviation					
Potential risk to aircraft through collisions and electrocutions	Lakes Naivasha, Elementaita, and Nakuru	Proposed line should be dressed with more conspicuous conductors and reflectors placed at intervals along the line;	KPLC, in collaboration with KCAA & Soysambu conservancy, to consult on location of airstrips prior to confirmation of final	Planning, construction & operation phases	No additional cost. Based on sound engineering

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		• Consultation with regulatory air traffic authorities prior to installation; • Adherence to regional or national air traffic safety regulations; • Use of buried lines when installation is required in flight sensitive areas; • Line to be located adjacent to prevailing natural obstacles, such as trees or cliffs, to prevent collision of aircraft with conductors and reduce visual impacts; • Proposed line should be routed through low risk areas and away from aircraft flight paths within Soysambu Conservancy like Naishi airstrip.	transmission line RoW.		practice
Impacts on Archaeological, Cultural and Historic Sites					
No archaeological sites identified to date within transmission line project vicinity	A site(s) may be uncovered anywhere along the transmission line project, especially in the Rift Valley basin	• Selective tower placement to span archaeological sites; • KPLC will ensure that areas to be disturbed during construction will be examined by an archaeologist; • Test pits will be completed for the tower locations where the foundations will be excavated; • Contractor will report any relevant finds to the National Museums of Kenya, who will advise on measures to be taken to ensure their preservation.	KPLC to ensure workers receive training on importance of archaeological sites and artefacts and how to identify them	Planning & construction phases	No additional cost. Based on sound engineering practice

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Impacts on Public Health					
Spread of HIV/AIDS & other communicable & sexually transmitted diseases (STDs)	Areas of concentrated workers	- KPLC & EPC Contractor will bus workers to active construction sites each day from the nearest urban centres, such as Naivasha, Nakuru, Eldoret, Lessos, and Kisumu. - No camps will be used; - The EPC Contractor will provide public education information about HIV/AIDS transmission and preventative measures; - Condoms will be made available to project workers at no cost.	KPLC in conjunction with Ministry of Health and relevant NGOs	Construction phase	Production of HIV/AIDS programme reports; Training and sensitization costs (KShs 2,500,000)
Social Impacts: Resettlement & Compensation					
Physical relocation of persons & acquisition of land or land rights for the project	Wayleaves, Rights-of-Way & Timboroa / Makutano substation	KPLC will identify all PAPs & develop a Resettlement Action Plan (RAP) framework to address economic losses, physical resettlement & loss of land or land rights.	KPLC management, Ministries of Lands, Housing and Settlement	Prior to construction phase	Based on current land valuation and negotiation results with existing land owners
Occupational Health & Safety					
Live power lines	Extent of transmission line project	- Only trained & certified workers to install, maintain or repair electrical equipment; - Deactivating and properly grounding live power distribution lines before work is performed on, or in close proximity, to the lines; - Ensuring that live-wire work is conducted by trained workers with strict adherence to specific safety and insulation standards;	KPLC management to liaise with DOHSS	During construction and operation phases	No additional cost, based on sound engineering practice; Regular training of KPLC staff (already established); Community

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		- Workers should not approach an exposed energized or conductive part even if properly trained; - Where maintenance and operation is required within minimum setback distances, specific training, safety measures, personal safety devices, and other precautions should be defined in a health and safety plan			sensitization (KShs 1,000,000)
Working at height during construction, maintenance, and operation activities.	Extent of transmission line project	- Testing structures for integrity prior to undertaking work; - Implementation of a fall protection program that includes training in climbing techniques and use of fall protection measures; inspection, maintenance, and replacement of fall protection equipment; and rescue of fall-arrested workers, among others; - Establishment of criteria for use of 100 percent fall protection; - Installation of fixtures on tower components to facilitate the use of fall protection systems; - Provision of an adequate work-positioning device system for workers; - Hoisting equipment should be properly rated and maintained and hoist operators properly trained;	KPLC project management + DOHSS	During construction and operation phases	No additional cost. Regular (already established) in-service staff training

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Community health & safety		- Safety belts should be of not less than 16 millimeters (mm) (5.8 inch) two-in-one nylon or material of equivalent strength; - When operating power tools at height, workers should use a second (backup) safety strap; - Signs and other obstructions should be removed from poles or structures prior to undertaking work; - An approved tool bag should be used for raising or lowering tools or materials to workers on structures.			
	Extent of transmission line project	- Use of signs, barriers (e.g. use of steel posts surrounding transmission towers, particularly in urban areas) and education/public outreach to prevent public contact with potentially dangerous equipment; - KPLC to consider welding of towers to prevent vandalism; - Use of single unit towers instead of currently used lattice composite towers; - Community policing of towers to be initiated to reduce vandalism; - Grounding conducting objects (e.g. fences or other metallic structures) installed near power lines to prevent shock; - Locate rights-of-way away from human receptors;	KPLC project management	Construction and operation phases	Community sensitization programme (KShs 1,000,000)

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		Use of noise barriers or noise cancelling acoustic devices (corona effect).			
Public safety issues regarding: accidental contact with lines, collision with construction equipment, excavations on ROW, material storage, tower construction	Active construction areas	- The EPC Contractor will secure excavations in such a way as to prevent accidents when construction not in progress; - Keep non-authorized persons away from any construction activities/sites/yard/equipment; post warning signs with appropriate text & graphics; - Begin educational programs in schools & communities to educate people of hazards & safe practices when playing & working near high voltage power lines.	KPLC to maintain records of any incidents, investigations & corrective actions	Construction and operation phases	Community sensitization programme (KShs 1,000,000)
Climbing and electrocution risk	All transmission towers and sub-station sites	- All towers will be fitted with warning signs and anti-climbing devices; - Sub-stations to be 'hurricane' fenced.	Periodic inspection and repair as necessary	Construction and operation phases	Community sensitization programme (KShs 1,000,000) Regular (already established) in-service staff training
Management of Hazardous and Contaminating Material					
Environmental contamination from spillage or disposal of fuels, lubricants, oils and solvents on	All construction sites	KPLC and the EPC Contractor shall dispose of materials defined as hazardous waste (eg. Hydraulic oil) in a responsible way, and where reasonable,	Monthly Environmental Inspection form to be completed	Construction phase	No additional cost. Performance is based on sound engineering &

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the construction site		shall return such materials to the manufacturer for recycling; • Implementation and enforcement of the Pollutant Spill Contingency Procedures of the EPC Contractor's Environmental Action Plan, including: • Prohibition of dumping of any contaminating material product into the environment/onto the ground, including waste oils, in accordance with NEMA regulations; • Storage & routine handling of fuels, lubricants, and other potentially contaminating substances in a weather-protected area equipped with a secondary containment system for spills; • Storage & routine handling of fuels, lubricants, and other potentially contaminating substances in a weather-protected area equipped with a secondary containment system for spills; • Storage areas shall be designed such that they will contain 110% of the largest container/vessel stored in the storage area; • Have available on-site all equipment and materials required to execute a clean-up;		supervision practices

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		- All wastes recovered during cleanup operations to be collected and stored for subsequent disposal; - Supply agreement will include responsibility for supplier to take waste oil; - KPLC will verify each supply/disposal subcontractor(s) has adequate arrangements or facilities for proper disposal, treatment or recycling of these wastes; - Personnel will be educated on proper use and disposal of hazardous materials			
Management of Waste					
Visual impact and environmental contamination from improper disposal of solid and liquid wastes. Air pollution from on-site burning of solid waste	All construction areas	- The EPC Contractor will manage waste according to Waste Management Plan. In addition, the following management measures may be implemented: - Waste management training for all workers; - The EPC Contractor shall identify a suitable site for the disposal of solid waste from construction activities in general in agreement with the local administration and shall ensure that such a site is used properly; - Wood, etc, cable reels, etc. may be sold for a nominal fee to local persons;	Monthly Environmental Inspection form completed by KPLC	Planning, construction & operation phases	Production of monthly reports (KShs 1,000,000) Approval costs from relevant authorities (NEMA rates)

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		- Burning will be used as a last resort and only when material cannot be disposed of at a licensed disposal location. Burning will not occur within the wayleave, but at the power station under controlled combustion; and - Only dry, clean-burning material (wood, cardboard, paper, dry vegetal material) will be burned.			
Air Quality					
Fugitive dust in the immediate vicinity of construction activities, and along loose surface roadways	Right-of-Way and access roads, Timboroa substation	- Contractor to protect stockpiles of friable material subject to windthrow by wetting, or with a barrier, vegetation, or windscreens, water stockpiles; - Cover loads of friable material during transportation; - Watering of roadways to reduce dust when necessary, or use biodegradable (eg. Lignin-based) road sealing compounds; - Restrict speed on loose surface roads to 25Km/hr during dry or dusty conditions; - In sensitive areas, including the sub-stations, suppress dust during dry periods by use of water sprays - Maintain equipment in good running condition – no vehicles to be used that generate excessive black smoke;	Daily inspection by the EPC Contractor of construction areas for excessive nuisance dust KPLC/ the EPC Contractor to maintain records of complaints on air quality, and follow-up corrective or measures	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)
Impaired air quality from exhaust of heavy equipment, motor vehicles and	Transportation routes, construction sites		EPC Contractor to make spot visual inspections of exhaust and vehicle loads and complete Monthly Environmental Inspection	Construction phase	Production of monthly reports (KShs 1,000,000);

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other equipment with internal combustion engines		- Enforce vehicle load restrictions to avoid excess emissions from engine overloading; - Where practical, switch off engines when not in use.	report. EPC Contractor to maintain record of corrective action taken.		Approval costs from relevant authorities (NEMA rates)
Smoke from uncontrolled combustion of cleared vegetation and combustible construction waste	Forested sections of wayleaves, Timboroa substation	- Uncontrolled burning of woody debris and constructing waste to be prohibited within the wayleave; - Slash from vegetation clearing to be chipped and left as mulch; - Combustible construction waste to be landfilled or left for removal by residents	Monthly Environmental Inspection report to be completed by KPLC	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)
Noise					
Nuisance noise at adjacent sensitive receptors	Schools and residences along the transmission lines	- Baseline noise readings will be taken by KPLC and the EPC Contractor prior to commencement of construction. Noise management measures and procedures to be adhered to will include: - All internal combustion equipment will have properly functioning silencers or mufflers; - Landowners along the routes to be notified about the construction schedule and activities, including blasting, should it be required; - Noise generating activities that take place near residential or sensitive institutional receptors will be restricted to the period between 0600 and 2000hrs,	Liaison by the EPC Contractor with adjacent residents and landowners to identify nuisance noise issues and resolve complaints.	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)

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		which is defined as 'daytime' in the Kenyan noise regulations; The EPC Contractor will comply with Kenyan national noise regulations. If necessary, measures to be taken to reduce noise emissions from the site will include locating transmission line away from human receptors & transposition of the transmission line			
Traffic Congestion/ Road Wear and Tear					
Structural Integrity of Roads	Transportation routes and access roads	- Contractor should provide temporary road signs or notices to indicate on-going works; - The Contractor together with the Project Manager should Plan itineraries for site traffic on a daily basis and avoid peak traffic periods; - The Project Manager and Contractor should choose traffic routes to reduce the impact in the neighbourhood avoiding, as far as practical any sensitive areas.	KPLC to inspect road conditions weekly	Construction phase	No additional cost. Performance is based on sound engineering practice.
Disruption of traffic at access points to access roads	Transportation routes and access roads	- No new access roads will be constructed; - Plans for connection of any upgraded access roads to the public highway network will be submitted for approval by the District Engineer or other appropriate Relevant Authority before construction commences.	KPLC to implement a traffic complaints and corrective action procedure	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.

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		appropriate Relevant Authority before construction commences.			
Traffic congestion as a result of incremental traffic associated with the project	Main transportation routes	- Procedures will be included to ensure transport of abnormal loads is timed and executed to minimise traffic disruption; - Selection of local access roads will be made in consultation with local officials to optimise use of roads with adequate capacity.	KPLC to implement a traffic complaints and corrective action procedure	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Risk of accidents due to project related traffic	Transportation routes & access roads	- KPLC & the EPC Contractor will effect traffic controls to avoid congestion and truck accidents on the project access roads; - Choice of traffic routes depending on delivery and dispatch to reduce the congestion impact in the neighbourhood; - Due regard of drivers to traffic regulations which should be insisted upon at all times, with courtesy shown to other road users; - Employment of a road safety co-ordinator to oversee implementation of the traffic controls; - Regular maintenance of delivery and dispatch trucks.	KPLC & EPC Contractor to maintain records of all accidents involving project vehicles. KPLC to implement a traffic complaints & corrective action procedure.	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Labour & Working Conditions					
Adherence to labour standards & well-being of construction workers	Entire transmission line project	EPC Contractor will be required to adopt policies & procedures that comply with national legislation & address all aspects	Contractor to keep accurate employment records. On-going monitoring by KPLC of EPC contractor's performance;	Construction phase	No additional cost. Performance is

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		of labour standards relevant to the project as specified by JBIC & IFC policies; Sub-contractors will be contractually required to comply with labour & health & safety legislation.	Investigation & corrective action for reported incidence of labour abuses		based on sound engineering practice and supervision.
Work related injury or health effects	All project areas	- KPLC & the EPC contractor will comply with relevant JBIC & WB/IFC health & safety requirements, including specific provisions for: - Introduction & use of poisonous or other chemicals injurious to health; - Handling dangerous goods & specialised waste; - Training; - Provision of potable water; - Working environment committee; - Use of helmets; - Personal injuries & accidents; - Damage to material, equipment & buildings; - Poison treatment, chemical & fire injuries; - Safety audit; - Work done by hired personnel or firms; - Operating cranes; - Working with heat in confined places; - Corrective action; - Protective action; &	KPLC to complete Monthly Environmental Inspection report. KPLC to maintain records of inspections, incidents, investigations & corrective actions	Construction and operation phases	No additional cost. Performance is based on sound engineering practice and supervision.

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		Utilisation of fall arrestors & anti-climbing devices to prevent public injury			
Developmental & Community Benefits					
Purchase of local goods and services will boost local economy	Project region	- The EPC Contractor will investigate Kenyan capacity to supply construction materials, goods and services; - Whenever goods or services are available on a competitive basis, the policy will be to purchase locally	KPLC will encourage local business leaders to form a liaison group to assist KPLC in monitoring local procurement practices	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Opportunities for employment	Extent of facilities	- The EPC Contractor will develop and implement a plan to ensure that local residents are given first priority for job opportunities for which they are qualified, before workers from outside the region are hired; - Details of specific job opportunities will be released and information provided on application procedures.	KPLC to monitor implementation of plan	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Cumulative Effects					
Cumulative effects of the project on ecological and social conditions, aesthetics, and land development patterns	Study area	- KPLC has avoided potentially significant social effects by routing the proposed line adjacent to the existing line in most places; - In forest areas, wayleave width will be restricted to 35m; - Effects on ecological functions in forests will be offset by enrichment planting of forest within the reserve;	KPLC report on status of mitigation measures taken for forested areas in yearly progress report	Entire project phases	No additional cost. Performance is based on sound engineering practice and supervision.

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		Enhanced capacity of the system by building a 220kV capacity line now avoids need for construction of additional line as transmission demand grows.			

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Visual and Aesthetic Impacts					
Presence of the transmission line reduces aesthetic values for ecotourism and recreation	Scenic Rift Valley Basin	None required	During construction, KPLC to report on status of tourist facilities in regular compliance reporting	Project planning phase & construction period	No additional cost. Based on sound engineering practice
Tower design too busy, with many lattice members, gigantic and overbearing	Scenic Rift Valley Basin	None required	KPLC project management	Project planning phase	No additional cost. Based on sound engineering practice
Visibility of towers & conductors	Entire transmission line project	None required	KPLC project management	Construction phase	No additional cost. Based on sound engineering practice
Land Take					
Land affected by the construction and operation of the proposed transmission line	Entire transmission line project; existing substations	None required	KPLC project management	Project planning phase & construction period	No additional cost. Based on sound engineering practice
Wayleave Acquisition & maintenance	Entire transmission line project	None required	KPLC project management	Project planning phase & construction period	Based on current land valuation and negotiation results with existing land owners
Impacts on National Parks and Conservancies					
Reduced aesthetic values for ecotourism and recreation	Hell's Gate National Park, Lake Nakuru National Park, Soysambu Conservancy	None required	KPLC to implement design and location procedures prescribed in the framework	Project planning phase & construction period	No additional cost. Based on sound engineering practice
Impacts on Forests					
Incompatible land use in a designated reserve	Nakuru Lake Forest, Londiani Forest, Mt.	Daily auditing and spot checks;	KPLC to inspect clearing in forest areas to confirm work confined to 35m	Project planning,	To be determined in conjunction with

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	Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Report monthly; Inventory and collection of selected plants and ecologically valuable trees.	wayleave. KPLC to update status of enhancement/planting & other mitigation/compensation measures in regular compliance reporting, eg. existing KPLC Timboroa and Kapseret reforestation projects.	construction and operation phases	KFS during wayleave acquisition
Permanent loss of forest land will reduce the available habitat for vegetation and wildlife, and reduce the forests' function as carbon sinks	Nakuru Lake Forest, Londiani Forest, Mt. Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Daily auditing and spot checks; Report monthly; Inventory and collection of selected plants and ecologically valuable trees.	KPLC to update status of regeneration plan in regular compliance reporting.	Project planning, construction and operation phases	To be determined in conjunction with KFS during wayleave acquisition
The resulting cleared corridor may pose a barrier to movement of 'forest interior' wildlife species between the forested areas on either side of the transmission line	Nakuru Lake Forest, Londiani Forest, Mt. Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Daily auditing and spot checks; Report monthly; Inventory and collection of selected plants and ecologically valuable trees.	Current status of 'cross line corridors' will be determined by KPLC and KFS.	Project planning, construction and operation phases	To be determined in conjunction with KFS & KWS
Improvements to access required for construction may increase grazing, bushmeat hunting & illegal felling of timber	Nakuru Lake Forest, Londiani Forest, Mt. Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Daily auditing and spot checks; Report monthly.	KPLC, in collaboration with KFS, to report on status of access and any issues arising, in regular compliance reporting	Project construction & operation phases	No additional costs
Forest fires, if underlying growth is left unchecked, or slash from routine maintenance accumulates in RoW	Nakuru Lake Forest, Londiani Forest, Mt. Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Daily auditing and spot checks; Report monthly.	KPLC, in collaboration with KFS, to report on status of access and any issues arising, in regular compliance reporting	Project construction & operation phases	To be determined in conjunction with KFS
Illegal hunting of bushmeat by workers	Nakuru Lake Forest, Londiani Forest, Mt.	Daily auditing and spot checks;	KPLC, together with KFS, to randomly inspect vehicles at ingress and egress	Construction phase	Additional security costs in forested

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during construction	Londiani Forest, Timboroa Forest, and N. Tinderet Forest	Report monthly.	points of construction areas in the vicinity of forest areas		areas during construction (KShs 1,000,000)
Impacts on Wetland Ecosystems					
Anticipated that large-scale earthworks might cause suspended solids to be mobilised into the water body	Lakes Naivasha, Elementaita and Nakuru	Daily auditing and spot checks; Report monthly; Water Quality Sampling Analysis reports (Ref Fourth Schedule of Water Quality Regulation, 2006).	KPLC to inspect construction activities in the wetland areas regularly	Construction phase	No additional cost. Based on sound engineering practice
Potential for microbial contamination of surface water and soil	Active construction sites, Staging Area	Daily auditing and spot checks; Report monthly; Water Quality Sampling Analysis reports (Ref Fourth Schedule of Water Quality Regulation, 2006).	Effluent shall be monitored at the discharge point of the Site Effluent treatment works by the EPC Contractor. Monthly Environmental Inspection report to be completed by KPLC.	Construction phase	Production of monthly environmental inspection report (KShs 2,000,000)
Deposition of eroded soils into watercourses; Disturbance of flows and habitat from installation of culverts and bridges	Throughout the transmission line project	Daily auditing and spot checks; Report monthly; Water Quality Sampling Analysis reports (Ref Fourth Schedule of Water Quality Regulation, 2006).	Periodic inspection of watercourse crossings by Site Environmental Officer	Construction phase	No additional cost. Based on sound engineering practice
Soil Erosion Impact from Vegetation Clearance					
Soils exposed during site preparation, vegetation clearance, and building.	Active construction areas	Daily auditing and spot checks; Report monthly.	KPLC Project management; Contractor	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)
Impacts of Construction Material Sourcing e.g. quarrying					

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN					
Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
Erosion of soils on steep slopes disturbed by excavation for tower footings or clearing for access track	Steep slopes along extent of transmission lines, including Maji Mazuri, Naivasha and Nandi Escarpment	Daily auditing and spot checks; Report monthly; Compaction records; Regular inspection on implementation of good soil conservation practices; Regular inspection of storm water drainages (Ref Fourth Schedule of Water Quality Regulation, 2006).	Periodic inspection by the EPC Contractor of steep slopes during construction and rehabilitation measures following construction	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)
Topsoil compaction, rutting and mixing from: grading, excavations and transportation of equipment, concrete and steel to tower sites over access roads and ROW	Areas to be cleared or excavated along transmission lines including tower sites and access tracks	Daily auditing and spot checks; Report monthly; Compaction records; Regular inspection on implementation of good soil conservation practices; Regular inspection of storm water drainages (Ref Fourth Schedule of Water Quality Regulation, 2006).	Following construction, the EPC Contractor to check for compaction on cultivated soils outside the ROW and remediate as necessary	Construction phase	Recovery of exposed soils and revegetation costs (KShs 2,000,000)
Impacts on Fauna & Avifauna					
The power lines introduce a physical hazard to birds and climbing animals	Entire length of lines	Daily auditing and spot checks; Report monthly.	KPLC, in collaboration with KWS, to report unusual bird strikes and/or animal electrocutions, in regular compliance reporting.	Planning, construction & operation phases	No additional cost. Based on sound engineering practice
Injury and fatalities arising from migratory birds colliding with transmission lines	Lakes Naivasha, Elementaita, and Nakuru	Daily auditing and spot checks; Report monthly.	KPLC to liaise with KWS & Soysambu conservancy to monitor and record bird fatalities; KPLC to maintain records of abnormal	Planning, construction & operation phases	No additional cost. Based on sound engineering practice

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN					
Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
Impacts on Aviation					
Potential risk to aircraft through collisions and electrocutions	Lakes Naivasha, Elementaita, and Nakuru	Regular spot checks; Report monthly.	bird strikes and corrective actions taken	Planning, construction & operation phases	No additional cost. Based on sound engineering practice
Impacts on Archaeological, Cultural and Historic Sites					
No archaeological sites identified to date within transmission line project vicinity	A site(s) may be uncovered anywhere along the transmission line project, especially in the Rift Valley basin	Regular spot checks; Report monthly.	KPLC, in collaboration with ICAO & Soysambu conservancy, to consult on location of airstrips prior to confirmation of final transmission line RoW.	Planning & construction phases	No additional cost. Based on sound engineering practice
Impacts on Public Health					
Spread of HIV/AIDS & other communicable & sexually transmitted diseases (STDs)	Areas of concentrated workers	Daily auditing and spot checks; Report monthly; HIV/AIDS programme reports (Monthly, Interim Survey Study and Final Survey Study). KPLC to maintain a record of each worker's orientation & ongoing education. Maintain records of condom distribution program.	KPLC in conjunction with Ministry of Health and relevant NGOs	Construction phase	Production of HIV/AIDS programme reports; Training and sensitization costs (KShs 2,500,000)
Social Impacts: Resettlement & Compensation					
Physical relocation of persons & acquisition of land or land rights for the project	Wayleaves, Rights-of-Way & Timboroa / Makutano substation	KPLC to implement grievance, monitoring & evaluation procedures as prescribed in the resettlement policy framework	KPLC management, Ministries of Lands, Housing and Settlement	Prior to construction phase	Based on current land valuation and negotiation results with existing land owners

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN

Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
Occupational Health & Safety					
Live power lines	Extent of transmission line project	Health & Safety Plan established and followed; SHE Training program; Monthly reporting KPLC project management	KPLC management to liaise with DOHSS	During construction and operation phases	No additional cost, based on sound engineering practice; Regular training of KPLC staff; Community sensitization (KShs 2,000,000)
Working at height during construction, maintenance, and operation activities.	Extent of transmission line project	Fall Protection Program; SHE Training program; Monthly reporting	KPLC project management + DOHSS	During construction and operation phases	No additional cost. Regular (already established) in-service staff training
Community health & safety	Extent of transmission line project	Community Health & Safety Plan established and followed; SHE Training & sensitization program; Monthly reporting	KPLC project management	Construction and operation phases	Community sensitization programme (KShs 1,000,000)
Public safety issues regarding: accidental contact with lines, collision with construction equipment, excavations on ROW, material storage, tower construction	Active construction areas	Daily auditing and spot checks; Report monthly.	KPLC to maintain records of any incidents, investigations & corrective actions	Construction and operation phases	Community sensitization programme (KShs 1,000,000)
Climbing and electrocution risk	All transmission towers and sub-	Daily auditing and spot checks;	Periodic inspection and repair as necessary	Construction and operation	Community sensitization

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN

Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
	station sites	Report monthly.		phases	programme (KShs 1,000,000) Regular (already established) in-service staff training
Management of Hazardous and Contaminating Material					
Environmental contamination from spillage or disposal of fuels, lubricants, oils and solvents on the construction site	All construction sites	Daily auditing and spot checks; Report monthly; Emergency telephone contact numbers for staff; Material Safety Data Sheets; Maintenance schedule for Equipment, transportation trucks and oil interceptors (Ref Fourth Schedule of Waste Management Regulations, 2006).	Monthly Environmental Inspection form to be completed	Construction phase	No additional cost. Performance is based on sound engineering & supervision practices
Management of Waste					
Visual impact and environmental contamination from improper disposal of solid and liquid wastes. Air pollution from on-site burning of solid waste	All construction areas	Daily auditing and spot checks; Report monthly (Ref Third & Fourth Schedule of Waste Management Regulations, 2006); Project Manager Inspection and approval reports; Water quality monitoring	Monthly Environmental Inspection form completed by KPLC	Planning, construction & operation phases	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN					
Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
Air Quality					
Fugitive dust in the immediate vicinity of construction activities, and along loose surface roadways	Right-of-Way and access roads, Timboroa substation	Daily auditing and spot checks; Report monthly; Air Quality Sampling Analysis reports (Ref Eleventh Schedule of Air Quality Draft Regulations).	Daily inspection by the EPC Contractor of construction areas for excessive nuisance dust KPLC/ the EPC Contractor to maintain records of complaints on air quality, and follow-up corrective or measures	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)
Impaired air quality from exhaust of heavy equipment, motor vehicles and other equipment with internal combustion engines	Transportation routes, construction sites	Daily auditing and spot checks; Report monthly; Air Quality Sampling Analysis reports (Ref Eleventh Schedule of Air Quality Draft Regulations).	EPC Contractor to make spot visual inspections of exhaust and vehicle loads and complete Monthly Environmental Inspection report. EPC Contractor to maintain record of corrective action taken.	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)
Smoke from uncontrolled combustion of cleared vegetation and combustible construction waste	Forested sections of wayleaves, Timboroa substation	Daily auditing and spot checks; Report monthly; Air Quality Sampling Analysis reports (Ref Second Schedule of Air Quality Draft Regulations).	Monthly Environmental Inspection report to be completed by KPLC	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs from relevant authorities (NEMA rates)
Noise					
Nuisance noise at adjacent sensitive receptors	Schools and residences along the transmission lines	Daily auditing and spot checks; Report monthly; Noise Quality Sampling Analysis reports (Ref	Liaison by the EPC Contractor with adjacent residents and landowners to identify nuisance noise issues and resolve complaints.	Construction phase	Production of monthly reports (KShs 1,000,000); Approval costs

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN					
Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
		Second Schedule of Control Regulations, 2009).			from relevant authorities (NEMA rates)
Traffic Congestion/ Road Wear and Tear					
Structural Integrity of Roads	Transportation routes and access roads	Regular spot checks; Report monthly.	KPLC to inspect road conditions weekly	Construction phase	No additional cost. Performance is based on sound engineering practice.
Disruption of traffic at access points to access roads	Transportation routes and access roads	Regular spot checks; Report monthly.	KPLC to implement a traffic complaints and corrective action procedure	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Traffic congestion as a result of incremental traffic associated with the project	Main transportation routes	Regular spot checks; Report monthly.	KPLC to implement a traffic complaints and corrective action procedure	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Risk of accidents due to project related traffic	Transportation routes & access roads	Daily auditing and spot checks; Report monthly.	KPLC & EPC Contractor to maintain records of all accidents involving project vehicles. KPLC to implement a traffic complaints & corrective action procedure.	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Labour & Working Conditions					
Adherence to labour standards & well-being of	Entire transmission line project	Daily auditing and spot checks;	Contractor to keep accurate employment records.	Construction phase	No additional cost.

TABLE 8-2: ENVIRONMENTAL AND SOCIAL MONITORING PLAN					
Environmental Issue	Location	Monitoring Requirements	Responsibility	Time Frame	Estimated Costs
construction workers		Report monthly.	On-going monitoring by KPLC of EPC contractor's performance; Investigation & corrective action for reported incidence of labour abuses		Performance is based on sound engineering practice and supervision.
Work related injury or health effects	All project areas	Daily auditing and spot checks; Report monthly.	KPLC to complete Monthly Environmental Inspection report. KPLC to maintain records of inspections, incidents, investigations & corrective actions	Construction and operation phases	No additional cost. Performance is based on sound engineering practice and supervision.
Developmental & Community Benefits					
Purchase of local goods and services will boost local economy	Project region	No monitoring required	KPLC will encourage local business leaders to form a liaison group to assist KPLC in monitoring local procurement practices	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Opportunities for employment	Extent of facilities	No monitoring required	KPLC to monitor implementation of plan	Construction phase	No additional cost. Performance is based on sound engineering practice and supervision.
Cumulative Effects					
Cumulative effects of the project on ecological and social conditions, aesthetics, and land development patterns	Study area	Regular spot checks; Report annually.	KPLC report on status of mitigation measures taken for forested areas in yearly progress report	Entire project phases	No additional cost. Performance is based on sound engineering practice and supervision.

9 CONCLUSION

This ESIA Study has been prepared to provide sufficient and relevant information on the proposed KPLC 220kV transmission line running from Olkaria-Lessos-Kisumu, to enable NEMA establish whether activities of the project are likely to have significant adverse environmental impacts. Mitigation and monitoring measures have been proposed for identified impacts in this report and Environmental and Social Management (ESMP) and Monitoring (ESMoP) Plans presented. The ESMP and ESMoP presented in this report are tools to be used by the Project Team and Project Proponent during the construction and operation periods. This report presents issues that should be addressed in order to ensure environmental sustainability and compliance with the existing legal requirements.

The risks during the proposed transmission line project to be monitored include, but are not limited to the following issues:

- Visual and Aesthetic Impacts;
- Land take;
- Impacts on National Parks and Conservancies;
- Impacts on Forests;
- Impacts on Wetland Ecosystems;
- Impacts on Avifauna;
- Impacts on Aviation;
- Impacts on Archaeological, cultural and historical sites;
- Impacts on Public Health;
- Social Impacts;
- Occupational Health & Safety Impacts;
- Soil Erosion Impact from Vegetation Clearance;
- Impacts of Earth and other Construction Material Sourcing (eg. Quarrying);
- Hazardous Materials;
- Waste Management;
- Air and Dust Emissions;
- Noise;
- Impacts of Fuel and Chemical Storage on Site;
- Traffic Congestion/ Road Wear and Tear;
- Labour Force Management;
- Contractor Code of Conduct; and
- Environmental and Social Monitoring.

Key environmental management and mitigation measures proposed include the following:

- Design of resettlement and compensation activities to ensure compliance with the laws and regulations of Kenya, international requirements like JBIC and World Bank, and existing KPLC policy resettlement framework;
- Minimize the effects on aesthetics and ecology of sensitive ecosystems;
- Reduce temporary disturbance of the wetlands and avoid permanent intrusion into the wetland area;
- Include diversions of the transmission line's Right-of-Way (RoW) to minimize the impacts on archaeological, cultural and historical sites;
- No construction camps will be set up for the proposed project;
- Contractor to calculate the EMF levels generated by the various components of the project

GIBB recommends that KPLC adhere to all the proposed mitigation measures outlined in this Study, the various relevant guidelines and legislation governing resettlement and compensation, sensitive ecosystems, labour force management, public and worker health and safety, management of hazardous and contaminating material, management of waste. The project will cost a total of **USD 99.5 million**.

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APPENDICES

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APPENDIX 1

GIBB Registration Certificate & EIA Licence

Application Reference No. **1**Registration No. **0001**

FOR OFFICIAL USE

THE ENVIRONMENTAL MANAGEMENT AND COORDINATION ACT
CERTIFICATE OF REGISTRATION AS AN ENVIRONMENTAL IMPACT
ASSESSMENT/AUDIT EXPERT

This is to certify Ms. **GIBB (Eastern Africa)**
of **P.O. BOX 300020 NAIROBI**.....(Address)
has been registered as an Environmental Impact Assessment Expert in accordance with the provisions
of the Environment Management and Coordination Act and is authorized to practice in the capacity of
a Lead Expert/Associate Expert/Firm of Experts (Type).....**FIRM EXPERT**.....

Dated this **10TH**.....day **FEBRUARY**..of 2004.....

Signature.....

(Seal)

Director General

The National Environmental Management Authority

FORM 7

(r.15(2))

Application Reference No:	0001
Licence No:	0038

FOR OFFICIAL USE



THE ENVIRONMENTAL MANAGEMENT AND COORDINATION ACT
ENVIRONMENTAL IMPACT ASSESSMENT/AUDIT PRACTICING LICENCE

M/S.....**GIBB AFRICA LIMITED**.....(individual or firm) of

Address.....**P.O BOX 30020-00100**.....

.....**NAIROBI**.....

is licenced to practice in the capacity of a (Lead Expert/Associate Expert/Firm of Experts).....

.....**FIRM OF EXPERTS**.....

in accordance with the provisions of the Environmental Management and Coordination Act.

Dated this**08th**.....Day**April**.....of 20....**09**.....

Signature..........

(Seal)

Director General
The National Environment Management Authority

Conditions of Licence

1. This licence expires on 31st December, 20....**09**.....

APPENDIX 2 Letter of Award



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/8/3/1/2009

3rd August, 2009

Your Ref:

**GIBB Africa Limited,
P.O BOX 30020-00100,
NAIROBI,
TEL: +254-20-3245000
FAX: +254-20-2244493**

**RE: CONSULTANCY SERVICES FOR CARRYING OUT ENVIRONMENTAL
AND SOCIAL IMPACT ASSESSMENT OF THE PROPOSED KISUMU-LESSOS-
OLKARIA TRANSMISSION LINE UPGRADING PROJECT**

We refer to your tender dated 9th July 2009, and are pleased to inform you that following evaluation, your tender for Carrying out Environmental & Social Impact Assessment of the Proposed Kisumu-Lessos-Olkaria Transmission Line Upgrading Project has been successful. The consultancy services will be at a cost of Kenya Shillings Two Million Eight Hundred and Nine Thousand Five Hundred and Twenty Only (Kshs 2, 809, 520.00).

This notification does not constitute a contract and the formal Contract Agreement, which is enclosed herewith for your perusal should be executed within Fourteen (14) days from the date hereof pursuant to the provisions of the Public Procurement and Disposal Act 2005. Please initial all the enclosed documents which form part of this contract and return the same together with the contract duly executed.

Yours faithfully,
for: **THE KENYA POWER AND LIGHTING COMPANY LIMITED**


A. N. GATUKUI
PROCUREMENT MANAGER

APPENDIX 3**Copy of Approval of ToRs by NEMA**



The Kenya Power & Lighting
Co. Ltd.

SCOPING REPORT & TERMS OF REFERENCE

FOR

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT STUDY

FOR

**THE PROPOSED KISUMU-LESSOS-OLKARIA-UPGRADING TRANSMISSION
LINE PROJECT, KENYA**

JULY 2009



APPENDIX 4

Notice of meetings to Local Administration (2nd round)



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC11F/8/31/09/JG/wbn

23 Septemba, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Kipkelion,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakayotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Timboroa	Timboroa Market	1, October, 2009	Saa nane Jioni (2pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGTHING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

23 Septemba, 2009

Mkuu Wa Wilaya,
Wilaya ya Kisumu,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakayotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Kibos	Kibos Centre	3, October, 2009	Saa sita Jioni (12pm)
Eneo la Mamboleo	Mamboleo Centre	3, October, 2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGTHING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

23 Septemba, 2009

Mkuu Wa Wilaya,
Wilaya ya Naivasha,

Ionwe na: Bw. Mohamed Birik

Bwana D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo.

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
South Lake road, Mashamba ya maua Naivasha	DCK Centre, Naivasha	28, Septemba, 2009	Saa nne asubuhi (10am)
Kayole, KWSTI, Prisons na Maua ya Panda	Kayole 'B' Centre	28, Septemba, 2009	Saa nane jioni (2pm)
Miti Mingi na Elmentaita	Mitimingi Centre	29 th Septemba, 2009	Saa nne asubuhi (10am)
Jogoo road	Jogoo road centre	29 th Septemba, 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGTHING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAJIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

23 Septemba, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Nakuru-Molo,

Kwa D.C.,

Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakatotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo:

ENEO	MAHALI MKUTANO	PA	TAREHE	WAKATI/MUDA
Eneo la Mau Summit	Total Centre		1, October, 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

MHANDISI SAMMY MUITA 
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC/1/F/8/3/1/09/JG/wbn

23 Septemba, 2009

Mkuu Wa Wilaya,
Wilaya ya Nakuru,

Bwana D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakayotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauni kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Karabati	Karabati Centre	30, Septemba, 2009	Saa nne asubuhi (10am)
Eneo la Ngata na Salgaa	Telkom Centre	30, Septemba, 2009	Saa nane Jioni (2pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office – P.O. Box 30099, Nairobi, Kenya
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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

23 Septemba, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Nandi East,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakayotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Nandi Hills	Nandi Hills Town Centre	2, October, 2009	Saa Tisa Jioni (3pm)
Eneo la Mberere na OCPP	Mberere Centre	3, October, 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

MHANDISI SAMMY MUITA 
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

23 Septemba, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Wareng,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakayotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushauri kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Lessos	Lessos Centre	2, October, 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wanachi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGHTING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME

APPENDIX 5**Notice of meetings to Local Administration (3rd
round)**



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobof Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Chief,
Timboroa Location,
Wilaya ya Kipkelion

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Timboroa na Mumberes	Ofisi ya Chief	29.10.2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office – P.O. Box 30099, Nairobi, Kenya
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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Chief,
Mumberes Location,
Wilaya ya Kipkelion

Kwa Chief,

Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-AWAMU YA TATU

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushuhudi kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Timboroa na Mumberes	Ofisi ya Chief	29.10.2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Mkuu Wa Darafa,
Darafa ya Timboroa,

Kwa D.O,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mrandi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Timboroa na Mumberes	Ofisi ya Chief	29.10.2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P. O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

D.O,
Mau Summit Division,

Bwana D.O,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mrandi huu.

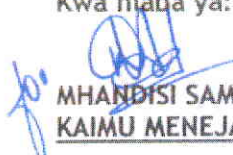
Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Mau Summit na Kamare	Chief's Office	28.10.2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Nakuru,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushuhudi kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Ngata na Salga	Telcom Centre	28.10.2009	Saa nne asubuhi (10am)
Mau Summit na Kamare	Chief's Office	28.10.2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa njaba ya: KENYA POWER & LIGHTING COMPANY LIMITED

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



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Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Darafa,
Darafa ya Nakuru,

Kwa D.O,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Ngata na Salgaa	Telcom Centre	28.10.2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Chief,
Mau Summit Location,

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoitokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Mau Summit na Kamare	Chief's office	28.10.2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21st October, 2009

Your Ref:

Chief,
Mau Summit Location,

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Mau Summit na Kamare	Chief's office	28.10.2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED



**MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME**



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Tinderet,

Bwana D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Lessos na Mberere	Lessos Centre,	29.10. 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

**MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME**



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Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Tinderet,

Bwana D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Lessos na Mberere	Lessos Centre,	29.10. 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED

**MHANDISI SAMMY MUITA
KAJIMU MENEJA MKUU, USAMBAZAJI UMEME**



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30089, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Kisumu,

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Kibos	Village Centre	30.10.2009	Saa tisa Jioni (3pm)
Mamboleo Centre	Mamboleo Shopping Centre	31.10.2009	Saa tano asubuhi (11am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGHTING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Mamboleo Location,
Wilaya ya Kisumu,

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushuhuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Mamboleo Centre	Mamboleo Shopping Centre	31.10.2009	Saa tano asubuhi (11am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGHTING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Miwani Location,
Wilaya ya Nyando

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mrandi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya ushuhudi kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Kibos	Village Centre	30, October, 2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED

**MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME**



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu wa Wilaya,
Wilaya ya Nyando

Kwa D.C.,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-
UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-
AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakaoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Eneo la Kibos	Village Centre	30, October, 2009	Saa tisa Jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGHTING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Lessos Location,
Tinderet District

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

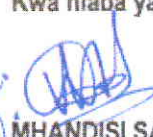
Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Lessos na Mberere	Lessos Centre,	29.10. 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office – P.O. Box 30099, Nairobi, Kenya
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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Nandi Hills,

Bwana D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Nandi Hills na Taito Location	Taito Centre,	30.10. 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office – P. O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Taito Location,
Wilaya ya Nandi Hills,

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo wa kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimalisha uchumu wa Kenya.

KPLC imewapa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kusailiwa ili kupata mawaidha yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Nandi Hills na Taito Location	Taito Centre,	30.10. 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: **KENYA POWER & LIGTHING COMPANY LIMITED**

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Tinderet,

Kwa D.C,

Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Lessos na Mberere	Lessos Centre,	29.10. 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

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Central Office - P.O. Box 30099, Nairobi, Kenya
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Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Nandi Hills Location,

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Nandi Hills na Taito Location	Taito Centre,	30.10. 2009	Saa nne asubuhi (10am)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

**MHANDISI SAMMY MUITA
KAJIMU MENEJA MKUU, USAMBAZAJI UMEME**



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Koloboi Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Wilaya,
Wilaya ya Naivasha,

Ionwe na: Bw. Mohamed Birik

Kwa D.C,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU**

Kampuni ya Kenya Power and Lighting (KPLC) inatarajia kujenga nguzo za kufunga nyaya za kuzambaza umeme (stima) kutoka Olkaria hadi Kisumu kupitia Lessos. Lengo la mradi huu ni kuwawezesha Wakenya wengi wapate umeme ili kuimarisha uchumi wa Kenya.

KPLC imeipa kazi kampuni ya GIBB Africa Ltd kufanya uchunguzi wa athari ya mazingira yatakoyotokana na mradi huu.

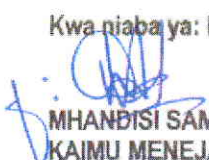
Kulingana na kanuni za uchunguzi wa mazingira (Impact Assessment and Audit Regulations-June 2003) wote wenye nia na wale watakoathiriwa na mradi huu, wadau mbali mbali na wananchi wote wanaoishi ndani na karibu na eneo la mradi, wanapaswa kushauriwa ili kupata maoni yao kuhusu mradi huu.

Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
South Lake road, eneo la DCK market na Sanctuary, Naivasha	DCK Centre, Naivasha	26, October, 2009	Saa nne asubuhi (10am)
Eneo la Kayole,	Kayole 'B' Centre	26, October, 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

Kwa njaba ya: KENYA POWER & LIGTHING COMPANY LIMITED


MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME



**The Kenya Power & Lighting
Co. Ltd.**

*The Kenya Power & Lighting Co. Ltd.
Central Office - P.O. Box 30099, Nairobi, Kenya
Telephone - 254-02-3201000-Telegrams 'ELECTRIC'
Fax No. 254-02-310336
Stima Plaza, Kolobot Road*

Our Ref: KPLC/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Chief,
Olkaria Location,
Wilaya ya Naivasha

Kwa Chief,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
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21 October, 2009

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Chief,
Lakeview Location,

Kwa Chief,

Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU

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Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

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Stima Plaza, Kolobot Road*

Our Ref: KPLC1/1F/8/3/1/09/JG/wbn

21 October, 2009

Your Ref:

Mkuu Wa Darafa,
Darafa ya Elmentaita

Kwa D.O,

**Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA
MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)-AWAMU YA TATU**

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Tunatarajia kukutana na wananchi kwa ajili ya usahuli kama ifuatavyo:

ENEO	MAHALI PA MKUTANO	TAREHE	WAKATI/MUDA
Miti Mingi, Jogoo Centre na Elmentaita	Mitimingi Centre	27.10. 2009	Saa nne asubuhi (10am)
Bagaria Location	Bagaria Shopping Centre	27.10. 2009	Saa tisa jioni (3pm)

Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

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21 October, 2009

Your Ref:

Mkuu Wa Naivasha,
Darafa ya Naivasha,

Ionwe na: D.O 1,

Yah: KUPATA MAWAIDHA KUHUSU MRADI WA KUSAMBAZA UMEME WA OLKARIA-LESSOS-KISUMU-UCHUNGUZI WA MADHARA YATAKAYOATHIRI MAZINGIRA (ENVIRONMENTAL IMPACT ASSESSMENT)- AWAMU YA TATU

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Mitimongi Location,
Darafa ya Elmentaita

Kwa Chief,

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Tunaomba ofisi yako tunayoiheshimu itusaidie kuwajulisha wananchi kuhusu mkutano huu.

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Bagaria Location	Bagaria Shopping Centre	27.10. 2009	Saa tisa jioni (3pm)

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Kwa niaba ya: KENYA POWER & LIGTHING COMPANY LIMITED

MHANDISI SAMMY MUITA
KAIMU MENEJA MKUU, USAMBAZAJI UMEME

APPENDIX 6**Project Information Document (PID)**

Environmental & Social Impact Assessment (ESIA) Proposed Kisumu-Lessos-Olkaria Transmission Line Project

August 2009

The Kenya Power & Lighting Co. Ltd is expecting to receive financial assistance for the Kisumu-Lessos-Olkaria Transmission line project from JICA. This project traverses 8 districts of Naivasha, Nakuru, Kericho, Uasin Gishu, Baringo, Nandi, Nyando and Kisumu. The length of the targeted transmission lines is approximately 255Km as a total, with approx 170Km between Olkaria and Lessos, and 85Km between Lessos and Kisumu.

Kisumu-Lessos is expected to provide an alternate path from Lessos-Muhoroni-Kisumu through Kakamega area to supply Kisumu area and improve reliability. Olkaria-Lessos 220kV line provides an alternative path from the Lessos 132kV. This is further detailed in the table below:

Project Area

Project Area					
No.	Route		Type	Length	Districts
1	Olkaria – Lessos	Alternative 1	Double circuit	Approximately 213 km	Naivasha District, Nakuru District, Koibatek District, Uasin Gishu District and Nandi District
2		Alternative 2	Double circuit	Approximately 178 km	Naivasha District, Nakuru District, Kericho District and Nandi District
3	Lessos – Kisumu	Alternative 1	Single/Double circuit	Approximately 103 km	Kisumu District, Nyando District and Nandi District
4		Alternative 2	Single/Double circuit	Approximately 77 km	Kisumu District, Nyando District, and Nandi District

Additionally, a map illustrating the proposed line project is provided overleaf.

To ensure that the above project is implemented in an environmentally and socially sustainable manner, KPLC has engaged the services of GIBB Africa Ltd to conduct an Environmental & Social Impact Assessment (ESIA) for the proposed project.

As an identified stakeholder, you are required to document your views, opinions and concerns regarding the above project.

GIBB Contact person:

Angela Mwenda
Shell & BP House, Harambee Avenue
PO Box 30020, Nairobi 00100, Kenya
Tel: +(254) 20 251880/250577
Cell: 0722 206876/0733 333024
Fax: +(254) 20 210694/244493.
E-mail: amwenda@gibbafrica.com



APPENDIX 7**Sample Initial Questionnaire**

PUBLIC CONSULTATION FORMS
ESIA Proposed Kisumu-Lessos-Olkaria Transmission Line Project

August 2009

The Kenya Power & Lighting Co. Ltd is expecting to receive financial assistance for the Kisumu-Lessos-Olkaria Transmission line project from JICA. This project traverses 8 districts of Naivasha, Nakuru, Kericho, Uasin Gishu, Baringo, Nandi, Nyando and Kisumu. The Kisumu- Lessos line is approximately 90Km while the Olkaria-Lessos line is approximately 196Km.

To ensure that the above project is implemented in an environmentally and socially sustainable manner, KPLC has engaged the services of GIBB Africa Ltd to conduct an Environmental & Social Impact Assessment (ESIA) for the proposed project.

As an identified stakeholder, you are required to document your views, opinions and concerns regarding the above project.

If we do not receive your response within 10 days from the date of receipt, we will assume you have no comments. Should you need more forms or have any queries before filling out the form, please contact us through the information provided at the end of this questionnaire, and we will respond accordingly.

Kindly comment on the following areas, with respect to the above project:

Public Awareness

- Contents of project and potential impacts adequately explained?
- Is understanding obtained from the public?

Water Quality

- Possibility of soil runoff & water quality degradation

Resettlement

- Involuntary resettlement? Efforts to minimize impacts?
- Adequate explanation on relocation & compensation to PAPs prior to resettlement?
- RAP based on socio-economic studies?
- Particular attention to vulnerable groups, including women, children, elderly, people below the poverty line, ethnic minorities, indigenous peoples?
- Agreements with affected persons obtained prior to resettlement?

Living & Livelihood

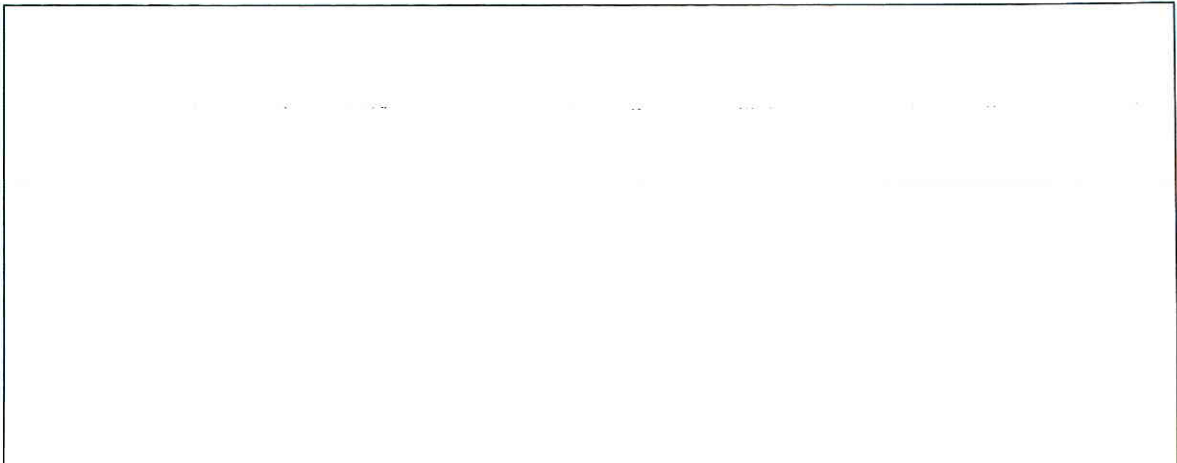
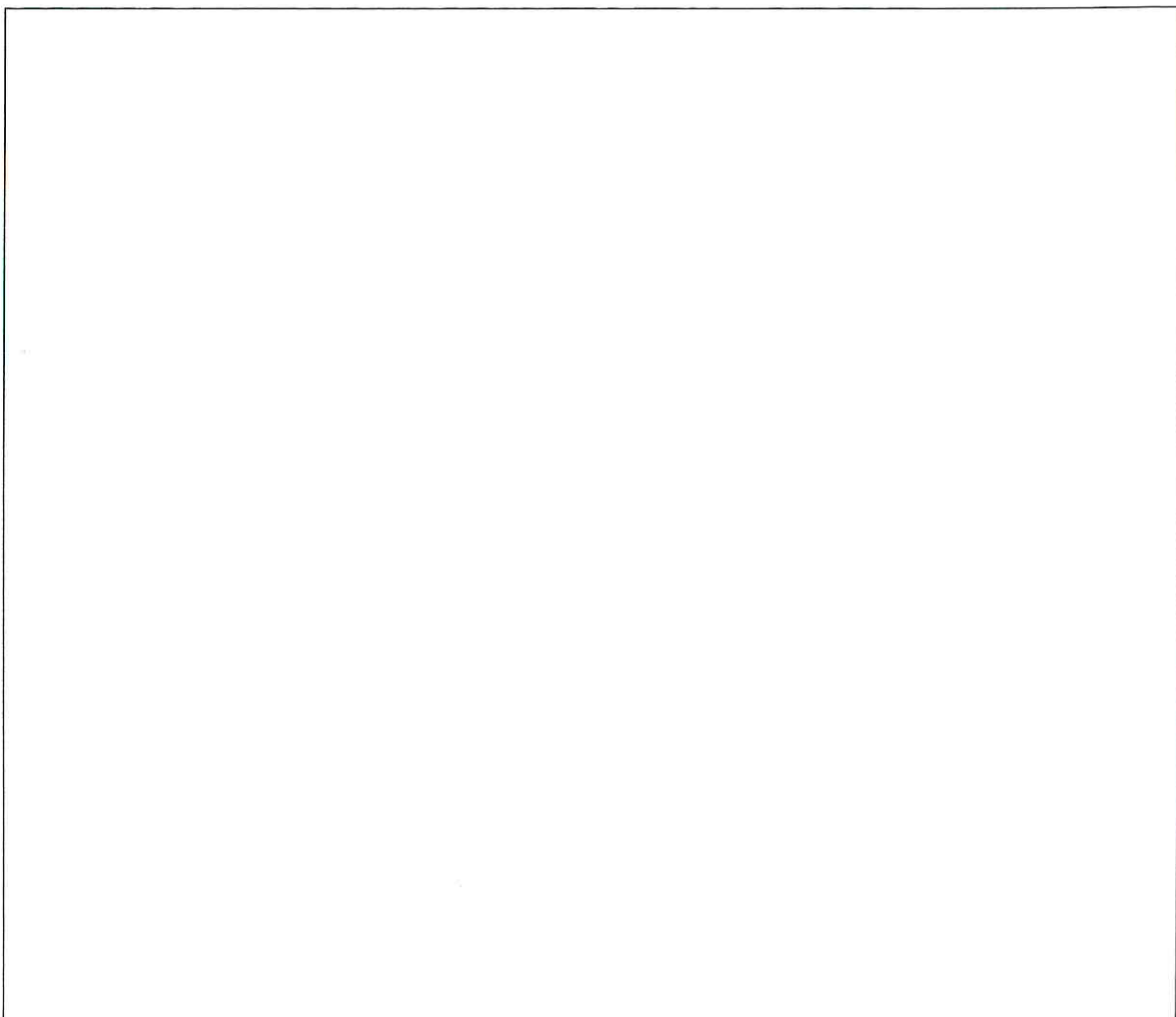
- Possibility that living conditions of inhabitants adversely affected?
- Adequate measures to reduce the impacts?
- Communicable diseases, including HIV/AIDS introduced due to immigration workers?
- Radio interference by public lines & mitigation measures?

Heritage

- Damage to the local archaeological, historical, cultural and religious heritage sites?
- Mitigation measures in accordance with Kenya's laws?

Global issues

- Impacts to transboundary or global issues eg. Waste treatment, acid rain, destruction of the ozone layer, global warming?

A large, empty rectangular box with a thin black border, intended for handwritten notes or answers related to the 'Global issues' section.**Additional comments**A large, empty rectangular box with a thin black border, intended for handwritten notes or answers related to the 'Additional comments' section.

APPENDIX 8**Sample Questionnaire : Socio-economic Survey**

Annex 1: Sample Socio-economic Survey Format

101	SURVEY QUESTIONNAIRE IDENTIFICATION	
	A. Survey Control Number	
	B. Date of Interview:	
	C. Place of Interview:	
	D. Name of Interviewer:	
	E. Checked by Supervisor:	

102	BASIC PROFILE OF PAPs (Landowners and Residents)	
	A. Name of Interviewee (only adult members above 18-year old):	
	B. Address of the Interviewee:	
	i Ward:	
	ii Others:	
	iii Street & Road Name:	
	iv Plot No.:	
	C. Relation to Head of Family (Choose one) 1: Myself, 2: Wife, 3: Child, 4: Parent, 5: Other (Specify)	
	D. How many years have you been living here?	
	E. Is there any tenant in this house? If Yes, number of tenants?	
	F. How many years has/have the tenants(s) resided?	
	(For Illegal Occupant Only) G. How long are you planning to live here (in years)?	
	Profile of Head of Family:	
	H. Head of Family (Name)	
	I Sex 1: Male, 2: Female	
	J. Age	
	K. Marital Status 1: Married, 2: Unmarried, 3: Others (e.g. Divorced, Separated, Specify)	
	L. Attainment Level of Education (Choose one) 1: Illiterate (either English or a local official language); 2: Can Read only (either English or a local official language); 3: Can Read and Write both (either English or a local official language);	

	4: Basic School (grade attended:); 5: High School (grade attended:); 6: University; 7: Post Graduate & Above; 8: Others (Specify);	
	M. Religion (Choose one) 1.Christian; 2.Muslim; 3.Hindu; 4.Buddhist; 5.Other (specify-----)	
	N. Total number of family members (including infants and children)	
	O. Total number of households in one (your) structure (e.g. if there are 2 households in one house, record 2)	
	P. Occupation (Choose all that apply) 1: Government/Public Sector; 2: Private Sector (employee); 3. Self-employed (Specify); 4: Farmer; 5: Casual Labour; 6: Unemployed; 7: Others (Specify)	
	(For those who check 3. Self-employed in above P.)	
	Q. Do you have license of the business?	
	R. How many workers are there?	

103	LAND LIKELY TO BE LOST/AFFECTED		
A. Please give information on the land owned/occupied by your household and to be lost/affected by the Project.			
Type of Land		Area (Sqm: m2) of the land owned/occupied by your family	Area (Sqm: m2) of the land to be lost/affected by the Project
Status of Land Holding (please choose number applicable from the list below)*			
i. Residential land			
ii. Agricultural land (inc. paddy fields, farms and orchard)			
iii. Commercial land (e.g. shop)			
iv. Land for workshop			
v. Others (specify)			
Total Land			

	* Status of Land Holding 1. With Certificate of Title 2. Tenant 3. Illegal occupation 4. Uncertain 5. Others (specify)
--	--

104	STRUCTURES LIKELY TO BE LOST/AFFECTED																															
	A. Please give information on structures owned/occupied by your household and to be lost/affected by the Project. <table border="1"> <thead> <tr> <th>Type of Structures owned/occupied by your household</th> <th>Status of ownership of the Structures (please choose number applicable from the list below)*1</th> <th>Please check if the structure will be lost/affected by the Project</th> </tr> </thead> <tbody> <tr> <td>i. Residential building/house</td> <td></td> <td></td> </tr> <tr> <td>ii. Commercial *2</td> <td></td> <td></td> </tr> <tr> <td>iii. Residential + Commercial*2</td> <td></td> <td></td> </tr> <tr> <td>iv. Farm House</td> <td></td> <td></td> </tr> <tr> <td>v. Animal Shed/Poultry house</td> <td></td> <td></td> </tr> <tr> <td>vi. Boundary Wall/Fencing</td> <td></td> <td></td> </tr> <tr> <td>vii. Well/Hand pump</td> <td></td> <td></td> </tr> <tr> <td>viii. Graveyard/Crematorium Ground</td> <td></td> <td></td> </tr> <tr> <td>ix. Others (Specify)</td> <td></td> <td></td> </tr> </tbody> </table> *1 Status of ownership of the Structure 1. Self-owned; 2. Public-owned structure for rental; 3. Private-owned structure for rental; 4. Group- or Community-owned; 5. Illegal owned/occupation 6. Uncertain ownership 7. Others (specify) *2 Commercial structure Please answer question below		Type of Structures owned/occupied by your household	Status of ownership of the Structures (please choose number applicable from the list below)*1	Please check if the structure will be lost/affected by the Project	i. Residential building/house			ii. Commercial *2			iii. Residential + Commercial*2			iv. Farm House			v. Animal Shed/Poultry house			vi. Boundary Wall/Fencing			vii. Well/Hand pump			viii. Graveyard/Crematorium Ground			ix. Others (Specify)		
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ix. Others (Specify)																																
	(For those who check i. Residential building/house or iii Residential + Commercial in above A.) Residential Building/House																															
	B. What is the type of residential building/house owned/occupied by your																															

	household and likely to be affected? (Choose one) 1: Single detached one-storey; 2: Single detached two-storey; 3: Single detached three-storey or more; 4: Apartment/Row house duplex; 5: Muddy house; 6: Tents or tentative simple hut; 7: Others (specify)	
	C. Take photos of the house appearance.	
	D. Roof (Choose one) 1. Iron sheets; 2. Tiles; 3. Natural materials; 4. Concrete; 5. Asbestos; 6. Others (Specify)	
	E. Walls (Choose one) 1. All concrete; 2. Concrete and wood; 3. All wood; 4. Soil; 5. Natural materials; 6. Others (Specify)	
	F. Living Area/Floor Area (m ²) for residential part owned/occupied by your family	
	G. Living Area/Floor Area (m ²) for residential part to be lost/affected by the Project	
	H. Number of rooms	
	I. Age of house (year)	
	(For those who check ii. Residential building/house or iii Residential + Commercial in above A.) Commercial Structure	
	J. Usage of Structure? (Choose all that apply) 1: Shop, 2: Storage/Warehouse, 3: Workshop, 4: Factory, 5: Office, 6: Others (Specify)	
	K. Floor Area (m ²) for commercial part owned/occupied by your family	
	L. Floor Area (m ²) for commercial part to be lost/affected by the Project	
	M. Age of structure (year)	

105	HOUSEHOLD BUDGET			
	Income			
	A. Sources of household income	Average Income in KShs		
		Daily	Monthly	Yearly
	a. Salary as employee			
	b. Self-employed business			
	c. Farming			
	d. Casual labour			
	e. Others (Specify)			
	Total Income			

Assets																					
B. Vehicles: What vehicles do your family own? (Choose all applicable) 1. Bicycle; 2. Motorcycle; 3. Jeep/Car; 4. Truck; 5. Bus; 6. Others (Specify)																					
C. Agricultural Implements: What agricultural implements do your family own? (Choose all applicable) 1. Tractor; 2. Thresher; 3. Harvester; 4. Sprayer; 5. Pump set; 6. Electric pump; 7. Others (Specify)																					
D. Assets for economic activities (business and trading): If your family owns other assets being used for economic activities, please specify:																					
E. Household Items: What household items do your family own? (Choose all applicable) 1. TV; 2. Fridge; 3. Electric Cooker; 4. Electric Fan; 5. Microwave; 6. Radio; 7. Others (Specify)																					
F. Total Annual Saving (KShs)																					
G. Have you taken any loan? 1: Yes, 2: No, 3: Don't know																					
H. If Yes, then please tell us the following: <table border="1" style="width: 100%;"> <thead> <tr> <th>Name of the loan provider</th> <th>Amount (in KShs)</th> <th>Re-paid (in KShs)</th> <th>Balance (in KShs)</th> </tr> </thead> <tbody> <tr> <td>1. Bank</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2. Micro finance</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3. Relative/Friend</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4. Other (specify)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Name of the loan provider	Amount (in KShs)	Re-paid (in KShs)	Balance (in KShs)	1. Bank				2. Micro finance				3. Relative/Friend				4. Other (specify)			
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106	ACCESSIBILITIES																																																					
A. Accessibilities of family members in normal conditions at present																																																						
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