



DEPARTMENT OF INFRASTRUCTURE, TRANSPORT, PUBLIC WORKS, HOUSING & ENERGY

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Strategic Direction



OUR MISSION

To provide efficient, affordable and reliable infrastructure and services in areas of roads, transport, energy and the built environment



OUR VISION

To be a world-class provider of cost effective and sustainable infrastructure



CORE VALUES

- Accountability
- Inclusivity
- Patriotism
- Partnership
- Equity and Fairness
- Safety and Security
- Creativity and Innovation

S/ No	Name of Project	Name of Partner	Scope	Impact	Budget
1	Electric fencing of Tsavo East and West	- Tsavo Trust Limited	- Installation 60km Electric fence in Tsavo East and West	Human wildlife conflict resolution	70,785,464
2	Rural Electrification Programme	- Kenya Wildlife Services	- Installation of power lines and transformers to 1362 households and institutions	Enhanced rural energy access	149,410,865.81
3	Provision of clean and efficient cooking solutions	Rural Electrification and Renewable Energy Corporation	- Capacity building of the community on clean and efficient cooking solutions - Provision of market linkages to clean cooking solution providers e.g Kyeni kya Kitoo S.H.G	Enhanced access to renewable energy	
4	13.5 KW Kitonyoni Solar Plant	- South Hampton University - Kenya Power & Lighting Company (KPLC).	- Installation of a solar plant - Replacement of solar batteries - Running of the plant	Enhanced access to renewable energy	1,320,000 from Government of Makueni County
5	Development of County Energy Outlook	- HiVos - ACTS Kenya	- Development of County Energy outlook	Energy efficiency	
6	Kyeni Kya Kitoo Self-Help Group	Germany Agency for International Cooperation (GIZ)	- Construction of the workshop - Capacity building - Market linkages	Increased access from 5% in 2018 to 25% in 2022	
7	Electricity connectivity	Kenya Power & Lighting Company (KPLC)	- Power connectivity to households, public institutions and facilities	Increased access from 5% in 2018 to 25% in 2022	
8	Upgrading of 6kms of road to bitumen standards	- Kenya Urban Roads Authority (KURA) - Kenya Rural Roads Authority (KeRRA) - ENI- Agri Hub	- Tarmacking of various roads within Wote town - Tarmacking of various roads under KeRRA and KeNHA - Tarmacking of access road to ENI factory	Enhanced road access	
9	Construction of 0.8 km resilient road in Kalamba Fruit Processing Plant	ClayCrete Technology company	Construction of resilient road network	Enhanced road access	
10	Roads for water	Meta Meta	- Capacity building - Road runoff harvesting.	Enhanced road access	27,430,000

2. Partnership engagements for the first year of CIDP III 2023 - 2027

S/ No	Name of Project	Name of Partner	Scope	Impact	Budget
1	Rural Electrification	Rural Electrification and Renewable Energy Corporation (REREC)	Installation of power lines and transformers to 636 households and institutions	Enhanced rural energy access	61,852,361.20
2	Development Makeni County Energy plan	<ul style="list-style-type: none"> - Strathmore University - World Resources Institute (WRI) - Ministry of Energy through Sustainable energy technical assistance (SETA)Program - Makeni Development Trust (MADET) 	<ul style="list-style-type: none"> - Development of an energy plan - Capacity building staff on energy eco-system and carbon credit - Capacity building of energy champions - Capacity building of technical team 	Energy efficiency	
3	Development of Mini Hydro Power Plant at Kalawa	Kingdom Brothers	Development of mini hydro power plant at Kalawa in Muambani area		
4	Provision of Clean and Efficient Cooking Solutions	<ul style="list-style-type: none"> - German Agency for International Cooperation (GIZ) - Clean cooking Association of Kenya (CCK) 	<ul style="list-style-type: none"> - Capacity building of the community on clean and efficient cooking solutions - Provision of market linkages to clean cooking solution providers e.g Kyeni kya Kitoo S.H.G - Training of TOTs and farmers on road runoff harvesting. - Workshops on Climate Change resilience. - Proposal writing. 		
5	Road for Water Programme	Meta Meta	<ul style="list-style-type: none"> - Field benchmarking sessions for partners to familiarize with the green roads for water. 		4,410,000

3. Proposed focus areas of Partnership

S/ No	Category	Project/ Programme	Target Beneficiary	Project Cost (KSHS)
1	Energy Efficiency	Capacity building for energy champions on energy efficiency	Ward Energy Champions and the Community	500,000
		Capacity building for Energy Efficiency Inspectors for compliance to minimum energy performance standards (MEPS) within the County Government of Makeni	Local community	2,000,000
		Promote and develop Use of Electric Vehicle in County Government Fleet	Local community	9,970,000 for 5 years
2	Clean Cooking Technologies	Increasing availability of quality improved cook stoves by equipping technical training institutes with capacity to offer training on fabrication of improved cookstoves	Local artisans	8,000,000
		Promotion of adoption of household-level biogas production through local media and road-shows, targeting at least 100 installations per Sub-county.	Local community	1,000,000
		Commercial biogas production in Makeni County	Local community	30,000,000
		Promotion of Cook stoves and clean Fuels	Small medium enterprises	8,000,000
		Development of Enhanced Cookstoves and Fuels Distribution	Organized groups	10,000,000
		Establish a Clean Energy/Technology Adoption Fund for advancing soft loan to cottage-level/ SMEs and learning & correctional institutions to enable them to adopt clean energy/technologies without overburdening the parents/guardians.	Households, Institutions, and Businesses	60 ,000,000
3	Electrification and Access to Grid	Grid densification, intensification and extension by a capacity of 42.7 MW	Households without electricity connection, Social and productive users of energy like healthcare facilities, schools, agriculture value chain.	19,600,000,000
		Hydro development (Energizing the Athi river agricultural economic zone)	Farmers, industrial parks, community	11,000,000,00
		Construction of Power substation	Community	450,000,000
4	Promotion of Renewable Energy	Solarization of county facilities (Health, Water and Social facilities)	Private investors, Project owners, Community	
		Wind power plant	Private investors, Project owners, Community	
		Schools' electrification program.	Schools, community	
		Development of Energy centre	Community	
		Energy access for agriculturally based cooperatives in Makeni County	Farmers, cooperatives	

5	Productive Use of Energy	Transitioning diesel-powered agricultural activities, like grain milling to electric powered/ solar powered	Millers, community	4,000,000
		Establishment and powering Cold Storage Facilities (Fresh Produce/Horticulture, Fish and Meat)	Farmers, exporters	650 ,000,000
		Powering 2 Industrial Parks	Community, investors	7,000,000
		Mango and vegetable drying.	Private investors, project owners, farmers	6,000,000
6	Affordable Housing	Rehabilitation of Pelican houses	Government Staff	
		Training community on appropriate building technologies	Community	20,000,000
7	Road for Water Programme	Roads for water programme	Community	
8	Emali Storm Water Drainage and Sewerage Systems Management	Storm water management	Community	172,000,000
		Sewerage Systems	Community	329,000,000





