

NS-257 - Green Urban Mobility Solution for Zambia City Integrated Tramway

Zambia

NAMA Seeking Support for Implementation

A Overview		
A.1 Party	Zambia	
A.2 Title of Mitigation Action	Green Urban Mobility Solution for Zambia City Integrated Tramway	
A.3 Description of mitigation action	The main interventions are provided as follows: (i) reduction of GHG emissions arising through reduced vehicular traffic in Lusaka and Kitwe by introducing efficient tramway system as means of public transport; (ii) setting up and operationalizing public-private sector based Tramway fleet (Lusaka Tramway with four lines; and Kitwe Tramway with three lines); (iii) to integrate affected stakeholders such as proprietors of minibuses, minibus drivers, conductors, etc; (iv) to establish the institutional systems needed for the coordination, implementation, and MRV of the NAMA; and (v) to develop legislation, policies and regulatory framework to enhance safety and facilitate implementation.	
A.4 Sector	☐ Energy supply ☐ Residential and Commercial buildings ☐ Agriculture ☐ Waste management ☐ Other	
A.5 Technology	☒ Transport and its Infrastructure ☐ Industry ☐ Forestry	
A.6 Type of action	☐ Bioenergy ☐ Energy Efficiency ☐ Hydropower ☐ Wind energy ☐ Carbon Capture and Storage ☐ Land fill gas collection ☒ Other	
A.7 Greenhouse gases covered by the action	☒ CO2 ☒ N2O ☐ PFCs ☐ Other	
☐ Cleaner Fuels ☐ Geothermal energy ☐ Solar energy ☐ Ocean energy ☐ Low till / No till		
Urban Tramway		
☒ National/ Sectoral goal ☐ Strategy ☐ National/Sectoral policy or program ☐ Other		
☒ Project: Investment in machinery ☒ Project: Investment in infrastructure ☐ Project: Other		
☒ CH4 ☐ HFCs ☐ SF6		
☐ Other		
B National Implementing Entity		
B.1.0	Name	Ministry of Transport and Communications
B.1.1	Contact Person 1	Aaron Sefu Chindumba
B.1.2	Address	P.O BOX 50065, LUSAKA
B.1.3	Phone	+260978/+260965 697571
B.1.4	Email	aaronsefu@yahoo.com
B.1.5	Contact Person 2	Nicholas Chikwenya
B.1.6	Address	
B.1.7	Phone	+260977767556
B.1.8	Email	nchikwenya@gmail.com
B.1.9	Contact Person 3	
B.1.10	Address	
B.1.11	Phone	
B.1.12	Email	
B.1.13	Comments	
Add Additional Entity		
C Expected timeframe for the implementation of the mitigation action		

C.1	Number of years for completion	5
C.2	Expected start year of implementation	2017

D Currency

D.1	Used Currency	USD ▼
Conversion to USD: 1		

E Cost

E.1.1	Estimated full cost of implementation	3,530,000,000
Conversion to USD: 3,530,000,000		
E.1.2	Comments on full cost of implementation	An estimated US\$ 3.53 billion will be required for implementing the tramway transportation systems in Lusaka and Kitwe.
E.2.1	Estimated incremental cost of implementation	
Conversion to USD: 0		
E.2.2	Comments on estimated incremental cost of implementation	

F Support required for the implementation the mitigation action

F.1.1	Amount of Financial support	1,520,000,000
Conversion to USD: 1,520,000,000		
F.1.2	Type of required Financial support	☐ Grant ☐ Guarantee ☐ Loan (sovereign) ☐ Equity ☐ Loan (Private) ☐ Carbon finance ☒ Concessional loan ☐ Other
F.1.3	Comments on Financial support	Financing will be sourced from Government intervention, private sector, and bilateral and multilateral climate related financing. PPP will contribute US\$2.00billion and loans, and the NAMA will contribute US\$1.52billion.
F.2.1	Amount of Technological support	
F.2.2	Comments on Technological support	
F.3.1	Amount of capacity building support	35,000,000
Conversion to USD: 35,000,000		
F.3.2	Type of required capacity building support	☒ Individual level ☒ Institutional level ☒ Systemic level ☐ Other
F.3.3	Comments on Capacity Building support	Training of individuals of the new tramway, in view of changing the Zambian economy, introducing new technology of light rail system, and nature of work, to le and develop new abilities and respond to the changes.

G Estimated emission reductions

G.1	Amount	0.77
G.2	Unit	MtCO2e ▼
G.3	Additional information (e.g. if available, information on the methodological approach followed)	Baseline and project emissions determined to obtain reduction potential by 2030 using IPCC guidelines.

H Other indicators

H.1	Other indicators of implementation
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I Other relevant information

I.1	Other relevant information including co-benefits for local sustainable development	Sustainable development benefits include the following: Economic Benefits: (i) Reduced congestion that results in saved time and energy, while improving productivity; (ii) Affordability that results in saved money spent on transport by indi private cars; (iii) Reduced transport operation cost that re-sults in saved money spent on transport and infrastructure by society; (iv) Re-duced dependency on irr fuels that results in improvement energy efficiency as power to propel the trams will come from renewables, and (v) Attract foreign investment as the image of the Lusaka and Kitwe improve. Environmental Benefit include improved air quality through reduction in air pollution, and elimination of GHG emissions. Social Benefits include (i) reduced congestion by the trams will improve the road safety by reducing the number of road traffic accidents (RTA) and fatalities; (ii) r number of vehicles on the roads will reduce the noise levels in the two cities and hence people can sleep better, and will have reduced blood pressure worries; (i have tram accessibility transporting them to their work places, service stations, shops and education establishments; (iv) There will be equity and poverty reducti
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car is elitist and therefore trams will bring greater equality; and (v) there will be increased social cohesion in the communities as commuters connect much easier society.

J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies

This NAMA is being developed within the overall policies and strategies of the Government of the Republic of Zambia namely the Overall 2030 Vision on infrastructure (including transport) well devel-oped and maintained infrastructure", Transport Policy (2002), National Climate Change Policy and the Revised Sixth National Development Plan (R-SNDP).

J.2 Link to other NAMAs

(none)

K Attachments

K	Attachments	<table><tr><th>Title</th><th>Description</th></tr><tr><td colspan="2">No records to display.</td></tr></table>	Title	Description	No records to display.	
Title	Description					
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K.1	Attachment description					
K.2	File	Choose File No file chosen				

L Support received

L.1	Outside the Registry											
L.2	Within the Registry	<table><tr><th>Support provided</th><th>SupportType</th><th>Amount</th><th>Comment</th><th>Date</th></tr><tr><td colspan="5">No records to display.</td></tr></table>	Support provided	SupportType	Amount	Comment	Date	No records to display.				
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