NS-243 - Lighting system optimization by replacing incandescent and other lights with energy efficient **LED** lights

Zimbabwe

NAMA Seeking Support for Preparation A Overview A.1 Party Zimbabwe A.2 Title of Mitigation Action Lighting system optimization by replacing incandescent and other lights with energy efficient LED lights A.3 Description of mitigation action To play its part in climate change mitigation, the Government has decided to replace incandescent lights and other lights in households, government and commercial premises by LED lights which are more efficient. This programme is a Government driven demand side management (DSM) initiative to reduce electricity consumption in households, government and commercial buildings as well as street lighting. This initiative will address both climate change issues and energy shortage. Energy is in short supply in the country and in the SADC region. So far the Ministry of Energy and Power Development has carried out a pilot project at its head office, where incandescent bulbs have been replaced by LED lights. The National Electricity Utility and the Energy Regulator have done likewise at their head quarters. The pilot project realised at least 515 000 kWh of electricity annually mitigating more than 531 tCO2 equivalent of carbon emissions. The planned retrofitting of 250W with 90W LED lights in the City of Harare (capital of Zimbabwe) is expected to reduce electricity consumption by at least 40 GWh per year and reducing GHG emissions by at least 23 443 tCO2. However due to financial constraints the programme may take time to be done at a national scale. The LED lights which have been used are imports because there is no capacity to manufacture in the country. This means that there are a lot of issues that include technology transfer, financing the completion of the programme and awareness creation to get the product accepted by the general public.

implemented as a NAMA.

A.4 Sector

X Energy supply Transport and its X Residential and Commercial Infrastructure

The Government is seeking support for preparation of a NAMA on lighting system optimisation to enable the programme to be

	buildings X Industry		
	Agriculture Forestry		
	Waste management		
	Other		
A.5 Technology			
71.5 Teemiology	Bioenergy Cleaner fuels		
	X Energy Efficiency Geothermal Energy		
	Hydropower Solar Energy		
	Wind Energy Ocean Energy		
	Carbon Capture and Storage Low till / No till		
	Land fill gas collection		
	Other		
A.6 Type of action	Project: Investment in		
	National/ Sectoral goal machinery		
	X Strategy Project: Investment in		
	infrastructure		
	program Project : other		
	Other		
A.7 Greenhouse gases covered by the action	XCO2 XCH4		
gazar contract gazar contract cy and actions	X N2O HFCs		
	PFCs SF6		
	Other		
B National Implementing Entity			
B.1.0 Name	Ministry of Energy and Power Development		
B.1.1 Contact Person 1	Mr. Malan Manyundo		
B.1.2 Address	2nd Floor John Boyne Building Corner Innez Terrace Street/		
	Speke Avenue Private Bag 7758, Causeway Harare, Zimbabwe		
B.1.3 Phone	+2634703320/2, +263 733 287 661 , +263 777 659 560		
B.1.4 Email	+2034/03320/2, +203 /33 28/ 001 , +203 /// 039 300 mmanyundo@gmail.com		
B.1.5 Contact Person 2	Ms Shorai Kavu		
B.1.6 Address	2nd Floor John Boyne Building Corner Innez Terrace Street/		
D.1.0 Address	Speke Avenue Private Bag 7758, Causeway Harare,		
	Zimbabwe		
B.1.7 Phone	+2634703320/2, +263 733 361 402,+263778240482		
B.1.8 Email	kavkajongwe@gmail.com		
B.1.9 Contact Person 3			
B.1.10 Address			
B.1.11 Phone			
B.1.12 Email			
B.1.13 Comments			
C Expected timeframe for the preparation of the mitigation action			
C.1 Number of months for completion 6			
D Currency			
D.1 Used Currency	AED		
	Conversion to USD: 1		

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ort energy efficiency to address climate change and tage respectively. T				
domestic and commercial sectors. The National ange Response Strategy and the National Energy				
l out the country's desire for deficient use of energy				
tion(ZimASSET), the national economic blueprint				
d in the country's INDC submitted to the UNFCCC. owe Agenda for Sustainable Socio-Economic				
mme is supported by the national development plans				
programmes and/or other mitigation action				
al Capacity Building for implementation and MRV				
nic level				
X Individual level X Institutional level				
150000				
that will be held.				
consultant services, awareness raising and costs of				
prepare the NAMA. The amount will be split between				
The cost of preparation stated above is justified by the fact that there is need to hire a consultant to carry out a baseline survey that is				
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consultant services, awareness raising and costs of				
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The cost of preparation stated above is justified by the fact that there				
ssional loan				
Private) Equity Carbon finance				
Sovereign) Guarantee				
X Grant				
500000				
workshops that will be held. F Support required to prepare the mitigation action				
consultant services, awareness raising and costs of				
to prepare the NAMA. The amount will be split between				
The cost of preparation stated above is justified by the fact that there is need to hire a consultant to carry out a baseline survey that				
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Title

Description

	Climate Change Response Strategy.pdf	1. The National Climate Change Response Strategy 2. The National Energy Policy 3. The National Economic Blueprint for Zimbabwe 4. Zimbabwe INDC submitted to UNFCCC	
	energy_policy.pdf Zim-Asset.pdf Zimbabwe		
	Intended		
	Nationally		
	Determined		
	Contribution		
	2015.pdf		
H.1 Attachment description			
H.2 File		Browse	
I Support received			
I.1 Outside the Registry	Not yet received support for NAMAs		
I.2 Within the Registry	Support provide	d SupportType Amount Comment Date	