

NS-254 - NAMA Urban Passenger Transport

Ulaanbaatar

Mongolia

NAMA Seeking Support for Implementation

A Overview

A.1 Party

Mongolia

A.2 Title of Mitigation Action

NAMA Urban Passenger Transport Ulaanbaatar

A.3 Description of mitigation action

The overall objective of the NAMA is to establish a sustainable urban passenger transport system in Ulaanbaatar thereby reducing GHG emissions and improving social, economic and environmental parameters. The NAMA achieves this by inducing a transformational change in the city towards lowcarbon sustainable passenger transport by doubling the mode share of public transport compared to BAU, by reducing congestion and time lost in traffic and by increasing the city liveability and attractiveness. Economic and population growth can be decoupled from GHG emission growth in passenger transport whilst improving social, economic and environmental indicators. The NAMA contributes by around 20% towards achieving the mitigation target of 14% lower GHG emissions compared to BAU as set out in the INDC of Mongolia. The four Mitigation Actions included under this NAMA are the following:

MA1: BRT system with 65km of bus-only lanes

MA2: Establishment of a metro of 18km

MA3: Retrofit of taxis to LPG

MA4: Low-carbon buses including hybrids and electric trolleybuses

A.4 Sector

<input type="checkbox"/> Energy supply	<input checked="" type="checkbox"/> Transport and its Infrastructure
<input type="checkbox"/> Residential and Commercial buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Forestry
<input type="checkbox"/> Waste management	

Other

A.5 Technology

<input type="checkbox"/> Bioenergy	<input checked="" type="checkbox"/> Cleaner Fuels
<input checked="" type="checkbox"/> Energy Efficiency	<input type="checkbox"/> Geothermal energy
<input type="checkbox"/> Hydropower	<input type="checkbox"/> Solar energy
<input type="checkbox"/> Wind energy	<input type="checkbox"/> Ocean energy
<input type="checkbox"/> Carbon Capture and Storage	<input type="checkbox"/> Low till / No till
<input type="checkbox"/> Land fill gas collection	

Other

A.6 Type of action

<input type="checkbox"/> National/ Sectoral goal	<input type="checkbox"/> Project: Investment in machinery
<input type="checkbox"/> Strategy	

A.7 Greenhouse gases covered by the action	<input type="checkbox"/> National/Sectoral policy or program	<input type="checkbox"/> Project: Investment in infrastructure
		<input type="checkbox"/> Project: Other
	<input checked="" type="checkbox"/> Other Municipal Urban Passenger	
	<input checked="" type="checkbox"/> CO2	<input type="checkbox"/> CH4
	<input type="checkbox"/> N2O	<input type="checkbox"/> HFCs
	<input type="checkbox"/> PFCs	<input type="checkbox"/> SF6
	<input checked="" type="checkbox"/> Other PM, NOx	

B National Implementing Entity

B.1.0 Name	Ulaanbaatar Transportation Department (UTD)
B.1.1 Contact Person 1	Mr. Galbadrakh Davaadorj
B.1.2 Address	Municipal Government Building 3, Baga Toiruu 15, Chingeltei duureg - 1, Ulaanbaatar, Mongolia
B.1.3 Phone	+(976 - 11) 32-36-29
B.1.4 Email	
B.1.5 Contact Person 2	Mr. Erdenebat
B.1.6 Address	Inspection Centre
B.1.7 Phone	+ (976-11) 32-79-68
B.1.8 Email	erde911@yahoo.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 implementation of the mitigation action

C.1	Number of years for completion	13
C.2	Expected start year of implementation	2017

D Currency

D.1	Used Currency	<input type="text" value="AED"/>
		Conversion to USD: 1

E Cost

E.1.1	Estimated full cost of implementation	1848000000
E.1.2	Comments on full cost of implementation	Equity: 176 MUSD / 136 MUSD
		Commercial credit: 978 MUSD / 318 MUSD
		ODA/IFI loans: 300 MUSD / 0 MUSD
		Climate finance: 575 MUSD / 75 MUSD
		Total finance: 2,029 MUSD / 529 MUSD
		Financial leverage of proposed climate finance: factor 4 / factor 7
E.2.1	Estimated incremental cost of implementation	582000000
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	582000000
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F.1.2 Type of required Financial support

<input checked="" type="checkbox"/> Grant	<input checked="" type="checkbox"/> Guarantee
<input type="checkbox"/> Loan (sovereign)	<input type="checkbox"/> Equity
<input type="checkbox"/> Loan (Private)	<input type="checkbox"/> Carbon finance
<input checked="" type="checkbox"/> Concessional loan	
<input type="checkbox"/> Other <input type="text"/>	

F.1.3 Comments on Financial support

MA1 BRT: Performance Guarantee Fund worth 55 MUSD

MA2 Metro: Low-cost capital for infrastructure worth 500 MUSD

MA3 LPG taxis: technical assistance worth 1 MUSD

MA4 LCB: Low-carbon bus fund worthy 19 MUSD

Total climate finance: 575 MUSD + 7 MUSD for Technical Assistance, i.e. Enabling Activities (EAs)

F.2.1 Amount of Technological support

F.2.2 Comments on Technological support

F.3.1 Amount of capacity building support

7000000

F.3.2 Type of required capacity building support

<input checked="" type="checkbox"/> Individual level
<input checked="" type="checkbox"/> Institutional level
<input checked="" type="checkbox"/> Systemic level

Other

F.3.3 Comments on Capacity Building support

NAMA Enabling Activities (EAs) are interventions that create necessary, favourable or conducive conditions for the uptake of the Mitigation Actions and, therefore, have an indirect impact on GHG emission reductions and SD benefits. They include the establishment of a NAMA Managing Entity which cooperates between stakeholders, supervises NAMA implementation and realizes the various Enabling Activities, the implementation of a NAMA MRV System including an urban GHG transport inventory, NAMA Policy Support, consisting in technical and policy advice, coordination and facilitation activities in areas such as integrated ticketing, modal integration, TDM and NMT and NAMA Capacity Building and Training.

F.4 Financial support for implementation required

F.5 Technological support for implementation required

F.6 Capacity Building support for implementation required

G Estimated emission reductions

G.1 Amount

8.6 MtCO₂e (tank-to-wheel); 10.8 MtCO₂e (well-to-wheel including Black Carbon)

G.2 Unit

G.3 Additional information (e.g. if available, information on the methodological approach followed)

H Other indicators

H.1

Other indicators of implementation

I Other relevant information

I.1 Other relevant information including co-benefits for local sustainable development	Other relevant information including co-benefits for local sustainable development Sustainable Development Impact 2017-2030 60 tons PM2.5 and 4,300 tons NOx avoided 5.0 billion USD saved in economic, social and environmental costs, including savings in time, fossil fuels, accident costs, and health related air pollution costs
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J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies	Mongolia's Intended Nationally Determined Contribution
J.2 Link to other NAMAs	.

K Attachments

K	Attachments	Title	Description
K.1	Attachment description		
K.2	File	<input type="text"/>	<input type="button" value="Browse..."/>

L Support received

L.1 Outside the Registry						
L.2 Within the Registry	<table border="1"><thead><tr><th>Support provided</th><th>SupportType</th><th>Amount</th><th>Comment</th><th>Date</th></tr></thead></table>	Support provided	SupportType	Amount	Comment	Date
Support provided	SupportType	Amount	Comment	Date		