

# NS-124 - Nationally Appropriate Mitigation Actions for Low-carbon Urban Development in Kazakhstan

## Kazakhstan

### NAMA Seeking Support for Preparation

#### A Overview

A.1 Party

Kazakhstan

A.2 Title of Mitigation Action

Nationally Appropriate Mitigation Actions for Low-carbon Urban Development in Kazakhstan

A.3 Description of mitigation action

The Project supports the identification, design, and implementation of Nationally Appropriate Mitigation Actions (NAMAs) in the urban sector. NAMAs, consisting of investments in infrastructure supported by capacity building, awareness raising and technical assistance, will contribute to achieving the country's GHG emission reduction voluntary target while improving urban services and the quality of life of citizens in Kazakh towns and cities. The project is the first effort in Kazakhstan to adopt a comprehensive approach to reduce GHG emissions in cities.

The project will

- Improve the capacity of municipalities to carry out integrated municipal planning, make targets and prioritize urban mitigation actions (Component 1)
- Support the creation and strengthening of institutional structures that will allow public and private sector investments in identified infrastructure and technical assistance (Component 2)
- Provide facilitation of financing of urban NAMA through creation of a dedicated fund (Component 3)
- Piloting of an urban NAMA in the Prigorodnoye district of Astana through investments in modernization and upgrading of the urban infrastructure (Component 4)
- Linking the project with the national GHG mitigation efforts, including through standards, rules and procedures for monitoring, reporting and verification (MRV), promoting better information dissemination to stakeholders, and linking the NAMA process with the domestic Emission Trading Scheme (ETS) for industrial emitters

A.4 Sector

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

Other

A.5 Technology

<input checked="" type="checkbox"/> Bioenergy	<input type="checkbox"/> Cleaner fuels
<input checked="" type="checkbox"/> Energy Efficiency	<input type="checkbox"/> Geothermal Energy

A.6 Type of action	<input type="checkbox"/> Hydropower <input type="checkbox"/> Wind Energy <input type="checkbox"/> Carbon Capture and Storage <input type="checkbox"/> Land fill gas collection	<input type="checkbox"/> Solar Energy <input type="checkbox"/> Ocean Energy <input type="checkbox"/> Low till / No till
	<input checked="" type="checkbox"/> Other <input type="text" value="sustainable waste and tra"/>	
A.7 Greenhouse gases covered by the action	<input type="checkbox"/> National/ Sectoral goal <input type="checkbox"/> Strategy <input type="checkbox"/> National/Sectoral policy or program	<input type="checkbox"/> Project: Investment in machinery <input type="checkbox"/> Project: Investment in infrastructure <input type="checkbox"/> Project : other
	<input checked="" type="checkbox"/> Other <input type="text" value="Urban/municipal projects"/>	
	<input checked="" type="checkbox"/> CO2 <input type="checkbox"/> N2O <input type="checkbox"/> PFCs	<input checked="" type="checkbox"/> CH4 <input type="checkbox"/> HFCs <input type="checkbox"/> SF6
	<input type="checkbox"/> Other <input type="text"/>	

### B National Implementing Entity

B.1.0 Name	UNDP
B.1.1 Contact Person 1	Marina Olshanskaya
B.1.2 Address	Grosslingova 35, Bratislava, Slovakia
B.1.3 Phone	+421 907 840 152
B.1.4 Email	marina.olshanskaya@undp.org
B.1.5 Contact Person 2	Stanislav Kim
B.1.6 Address	26, Bukey Khan Street, Astana, Kazakhstan
B.1.7 Phone	+ 7 7172 69 65 44
B.1.8 Email	stanislav.kim@undp.org
B.1.9 Contact Person 3	
B.1.10 Address	
B.1.11 Phone	
B.1.12 Email	
B.1.13 Comments	<p>UNDP is one of the lead agencies of the GEF to implement enabling activities and capacity development activities related to climate change mitigation. In Kazakhstan, UNDP has supported the country in developing its First and Second National Climate Change Communication to the UNFCCC and is currently supporting the Government for the preparation of the Third National Climate Change Communication. This UNDP / GEF Project is fully aligned with the following UN Development Assistance Framework (UNDAF) and UNDP Country Program Action Plan (CPAP) outcomes and outputs:</p> <ul style="list-style-type: none"> <li>• <b>UNDAF Outcome for 2010-2015:</b> Environmental Sustainability. By 2015, communities, national and local authorities use more effective mechanisms and partnerships that promote environmental sustainability and enable them to prepare, respond and recover from natural and man-made disasters.</li> <li>• <b>CPAP Outcome:</b> The Government, industries and civil society take steps to adapt to climate change and</li> </ul>

mitigate its impact through energy efficiency measures and climate change adaptation policies.

- **CPAP Output:** Government and energy consumers are better equipped with knowledge, policies and pilot cases on energy efficiency in sectors with high carbon dioxide emission levels.

.Globally, this project falls under UNDP Signature Program 3 “Access to New Finance Mechanisms” which is aimed at promoting new approaches to leveraging finance for climate mitigation projects and programs, such as sectoral crediting, CDM PoAs and NAMAs. Proposed project is one of a series of similar initiatives UNDP is designing/implementing across the world focused on NAMAs in energy generation/end-use sectors, such as the similar projects in Peru, Azerbaijan, Tunisia.

**C Expected timeframe for the preparation of the mitigation action**

C.1	Number of months for completion	18
-----	---------------------------------	----

**D Currency**

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

**E Cost**

E.1.1	Estimated full cost of preparation	150000
E.1.2	Comments on full cost of preparation	Full cost of preparation include all categories of costs: capacity building, technical assistance and the cost of required external expertise to prepare and justify the NAMAs. Following the NAMA development, the Global Environment Facility will contribute 5.93 mln US\$ for the implementation of the NAMA.

**F Support required to prepare the mitigation action**

F.1.1	Amount of Financial support	150000
F.1.2	Type of required Financial support	<input checked="" type="checkbox"/> Grant <input type="checkbox"/> Loan (sovereign) <input type="checkbox"/> Loan (Private) <input type="checkbox"/> Concessional loan <input type="checkbox"/> Guarantee <input type="checkbox"/> Equity <input type="checkbox"/> Carbon finance <input type="checkbox"/> Other <input type="text"/>
F.1.3	Comments on Financial support	
F.2.1	Amount of Technical support	
F.2.2	Comments on Technical support	
F.3.1	Amount of capacity building support	
F.3.2	Type of required capacity building support	<input type="checkbox"/> Individual level <input type="checkbox"/> Institutional level <input type="checkbox"/> Systemic level <input type="checkbox"/> Other <input type="text"/>
F.3.3	Comments on Capacity Building support	
F.4	Financial support required	<input type="checkbox"/>
F.5	Technological support required	<input type="checkbox"/>
F.6	Capacity support required	<input type="checkbox"/>

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

G.1 Relevant National Policies

The Government of Kazakhstan is requesting support for the definition, design, and implementation of NAMAs in the urban sector with the objective of achieving the country's voluntary GHG emission reduction target. While the Kazakh Government is negotiating Kyoto Protocol Annex B inscription, the country took the voluntary quantitative commitments to reduce GHG emissions by year 2020 by 15% over a 1992 baseline.

Relevant national programs include:

- The Energy Saving Program-2020 (Program 2020)**
- The Comprehensive Energy Saving Plan for 2012-2015**
- Programme on Modernization of Housing and Utility Sector for 2011-2020**
- National Program for Modernization (NPM) for Residential and Communal Sector for 2011-2020**

G.2 Link to other NAMAs

H Attachments

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

I Support received

I.1 Outside the Registry

Support received from the Global Environmental Facility (GEF) in the amount of 150,000 US\$ for the development of full-size UNDP-GEF project proposal

I.2 Within the Registry

Support provided	SupportType	Amount	Comment	Date
Global Environment Facility (GEF) Trust Fund	Financial	5,930,000		10/20/2014 3:52:30 PM