NS-111 - NAMA for Sustainable Housing Retrofit

Mexico

NAMA Seeking Support for Implementation

A Overview

A.1 Party	Mexico
A.2 Title of Mitigation Action	NAMA for Sustainable Housing Retrofit
A.3 Description of mitigation action	This NAMA seeks to maximize the efficiency of water, electricity and gas consumption in existing homes. The housing retrofit NAMA is based on a "whole house approach" where efficiency benchmarks are set for total primary energy demand for each building type taking into account climatic variables. This approach includes a simple and cost-effective MRV system, and enables building developers and homeowners to employ a flexible range of interventions to achieve the performance standard desired. It enables a holistic and systematic methodology to energy efficient refurbishment of the building stock. Furthermore, it ensures the continuation of on-going activities and programs. The implementation of the specific retrofit measures will be defined by an energy advisor and will depend on the specific requirements, such as the building prototype and climate zone. Energy efficiency refurbishment measures are the more economically viable when the respective building component has reached the end of its life cycle. At this stage, additional investment for more active and passive energy efficiency measures is marginal, providing maximum returns.
A.4 Sector	☐ Energy supply ☒ Residential and Commercial buildings ☐ Agriculture ☐ Waste management ☐ Transport and its Infrastructure ☐ Industry ☐ Forestry ☐ Other
A.5 Technology	☐ Bioenergy ☒ Energy Efficiency ☐ Hydropower ☐ Wind energy ☐ Carbon Capture and Storage ☐ Land fill gas collection ☐ Cleaner Fuels ☐ Geothermal energy ☐ Solar energy ☐ Ocean energy ☐ Low till / No till ☐ Other
A.6 Type of action	☒ National/ Sectoral goal ☐ Strategy ☒ National/Sectoral policy or program ☐ Project: Investment in machinery ☐ Project: Investment in

		infrastructure ☐ Project: Other
		☐ Other
A.7	Greenhouse gases covered by the action	☒ CO2 ☐ CH4 ☐ N2O ☒ HFCs ☐ PFCs ☐ SF6 ☐ Other

B National Implementing Entity

B.1.0	Name	SEDATU
B.1.1	Contact Person 1	Jorge Wolpert
B.1.2	Address	Paseo de la Reforma 333 Cuauhtémoc México D.F.
B.1.3	Phone	+525553285000
B.1.4	Email	jorge.wolpert@sedatu.gob.mx
B.1.5	Contact Person 2	
B.1.6	Address	
B.1.7	Phone	
B.1.8	Email	
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	1
C.2	Expected start year of implementation	2014

D Currency

D.1	Used Currency	AED Conversion to USD: 1

E Cost

E.1.1	Estimated full cost of implementation	2505800
E.1.2	Comments on full cost of implementation	The provided cost includes the entire pilot project.
E.2.1	Estimated incremental cost of implementation	
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	751740
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	The amount of financial support is estimated as follows: 676,566 from loans 75,174 from grants
F.2.1	Amount of Technological support	125,290
F.2.2	Comments on Technological support	This 125,290 usd, are included in the total cost of the pilot.

F.3.1 Amount of capacity building support	
F.3.2 Type of required capacity building support	[X] Individual level [X] Institutional level [ ] Systemic level [ ] Other
F.3.3 Comments on Capacity Building support	This 125,290 usd, are included in the total cost of the pilot.
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	0.5
G.2 Unit	MtCO2e
G.3 Additional imformation (e.g. if available, information on the methodological approach followed)	An MRV system has been developed to measure the performance of every energy efficiency action and the overall performance of a house. Some of the measured variables are: gas, water and electricity consumption; room temperature, specific temperature in walls, floor and ceiling; and CO_2 concentration. The mitigation potential is obtained by applying specific emission factors for each mitigation action.

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	Co-benefits for local sustainable development: • SOCIAL: Improvements in quality of life (health, comfort). • ECONOMIC: savings in energy costs. • ENVIRONMENTAL: sustainable use of energy that results in GHG emissions reductions.

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

J.1 Relevant National Policies	
J.2 Link to other NAMAs	NAMA for New Residential Buildings

K Attachments

K Attachments	**Title Description**
K.1 Attachment description	
K.2 File	Browse...

L Support received

L.1 Outside the Registry	
L.2 Within the Registry	**Support provided Support Type Amount Comment Date**