United Nations
Framework Convention on
Climate Change

# NAMA Seeking Support for Implementation

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|---|---|
| A.1 Party | Republic of Serbia |
| A.2 Title of Mitigation Action | Improvement of old residential buildings envelope (exterior doors, windows and thermal insulation) in Serbia |
| A.3 Description of mitigation action | Residential buildings in Serbia up to 1980's were generally built without any thermal insulation. That is the main reason for their tremendous energy consumption for space heating today. The objective of this project is rehabilitation of about 10% of the existing residential buildings in Serbia that were built in the period from 1950's to 1980's, what is approximately 10 millions square meters of houses and apartments buildings. Energy efficiency improvements in selected residential buildings of different size and shape throughout Serbia, aim to: reduce heat energy consumption and costs, increase the level of indoor comfort and end users' satisfaction and reduce GHG emission |

A.4 Sector

- ☐ Energy supply
- ☒ Residential and Commercial buildings
- ☐ Agriculture
- ☐ Waste management
- ☐ Transport and its Infrastructure
- ☐ Industry
- ☐ Forestry

A.5 Technology

- ☐ Bioenergy
- ☒ Energy Efficiency
- ☐ Hydropower
- ☐ Wind energy
- ☐ Carbon Capture and Storage
- ☐ Cleaner Fuels
- ☐ Geothermal energy
- ☐ Solar energy
- ☐ Ocean energy
- ☐ Other <Pls enter Other text here>

A.6 Type of action

- ☐ National/ Sectoral goal
- ☐ Strategy
- ☒ National/Sectoral policy orprogram
- ☐ Project: Investment in machinery
- ☒ Project: Investment in infrastructure
- ☐ Other: <Pls enter Other text here>

B National Implementing Entity


| | |
|---|---|
| B.1 Name | Ministry of Construction and Urban Planning |
| B.2.1 Contact Person | Ms. Jasminka Pavlovic |
| B.2.2 Address | 22-26 Nemanjina Street, 11000 Belgrade |
| B.2.3 Phone | +381 11 3616 420 |
| B.2.4 Email | jasminka.pavlovic@mgu.gov.rs |

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|---|---|
| B.3.1 Contact Person (alternative Contact Person 1) | Ms. Nina Vukosavljevic |
| B.3.2 Address | 22-26 Nemanjina Street, 11000 Belgrade |
| B.3.3 Phone | +381 11 264 5577 |
| B.3.4 Email | nina.vukosavljevic@mgu.gov.rs |
| B.4.1 Contact Person (alternative Contact Person 2) | <Pls enter name of Contact Person here> |
| B.4.2 Address | <Pls enter Address here> |
| B.4.3 Phone | <Pls enter Phone Number here> |
| B.4.4 Email | <Pls enter Email Address here> |

C. Expected timeframe for the implementation of the mitigation action

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|---|---|
| C.1 Number of years for completion | 8 |
| C.2 Expected start year of implementation | 2013 |

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| D.1 Used Currency | Euro |

E Cost

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| E.1 Estimated full cost of implementation | 723,480,000 |
| E.2 Estimated incremental cost of implementation | 0.00 |

F Support required for the implementation of the mitigation action

F.1.1 Amount of financial support 578,784,000

F.1.2 Type of required financial support

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|---|---|
| ☒ Loan (sovereign) | ☒ Loan (Private) |
| ☒ Concessional loan | ☒ Debt Swap |
| ☒ Grant | ☒ Equity |
| ☒ Guarantee | ☒ Carbon finance |
| ☒ FDI | ☐ Others:<Pls enter Other text here> |

F.1.3 Comments on Financial Support: The details of the financial mechanism will be decided upon the completion of the Feasibility study, therefore no furtehr details are provided in this submission form.

F.2.1 Amount of Technological Support 0.00

F.2.2 Comments on Technological Support <Pls enter Comments here>

F.3.1 Amount of capacity building support 0.00 ☐ $ (Dollars) ☐ man/hours

| | |
|---|---|
| F.3.2Type of required capacity building support | ☒ Institutional development<br>☒ Human capital<br>☒ Systemic (policies, legislative, regularatory,etc) |
| F.3.3 Comments on Capacity Building Support | <Pls enter Comments here> |

G Estimated emission reductions

G.1 Amount 0.504

G.2 Unit MtC02e/yr

G.3 Comments Total CO2 reduction for the 30 years period is 15,119,070 tCO2e. The calculations were made with the assumptions of the total floor areas to be rehabilitated in the existing buildings , total annual energy consumption before and after the implementation

H.1 Other indicators of implementation Reduction of energy consumption and heating costs in residential buildings

I.1 Other relevant information including benefits for local sustainable development

Positive economic, social and environmental effects wiol include: involvement of local partners in terms of production of construction products, project design and execution of works, increased demand and production of construction products, thus resulting in increase of revenue and employment of local companies, contributing to economic development of all regions of Serbia, involvement of stakeholders at local level (enterprises, certified engineers, local authorities for issuing building permits),reduction of energy consumption, reduction of GHG emissions and the increased level of indoor comfort and end users' satisfaction

J Links to National Policies and other NAMAs

J.1 Relevant National Policies The new Regulation on Energy Efficiency in Buildings adopted in August 2011 and came into force in September 2012