

**Extrabudgetary project**

**Preparation Phase of the project**

**“Improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings”**

(for approval)

**UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE  
TECHNICAL COOPERATION PROJECT FORM**

**Project title:** Preparation Phase of the project “Improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings”

**Expected timing/ duration:** January – July 2023

**Objective and brief summary of the project:**

The objective of the Preparation Phase is to develop a complete project document for the project “Improving the energy efficiency (EE) of the global building supply chain industry and its products to deliver high performance buildings” with all accompanying materials that outlines concrete, result-oriented activities of all stakeholders, takes account national circumstances of the beneficiary countries and responds to their needs in an effective manner while remaining consistent in terms of common outputs and outcomes, and ensures alignment across the board on the project log-frame. The project “Improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings” aims to develop a strong foundation of proven best practice methods and focused technical capacity that beneficiary countries can build upon to improve building energy performance and reduce embodied carbon and energy to support their development and achievement of enhanced national determined contributions (NDC) targets. Main outcomes of the project: NDC enhance improvements in EE in buildings and the building sector’s supply chain and specify how these targets support the Paris Agreement; countries have clear and interconnected strategies to achieve NDC targets, including institution and dissemination of best practices and capacity building; concrete measures for improving performance of the building sector supply chain and its end products are implemented, with progress tracked across a range of the quality-of-life indicators. Emphasizing scalability and replication, the project will focus specifically on improving the effectiveness of the building sector supply chain to improve the complete lifecycle performance of buildings. By focusing on the building sector supply chain, the project will address the embodied energy and carbon of buildings and ensure that buildings’ operational components are designed and installed to operate optimally. A core element of the project will be to engage actively with the beneficiary countries to develop their relevant public and private sector capacities to ensure the long-term replication and upscaling of the project activities.

UNECE will be in charge of the overall coordination of implementation of the Preparation Phase across all activities and all Implementing Partners. The Implementing Partners for the Preparation Phase comprise the United Nations Development Programme (UNDP) offices in seven beneficiary countries (Armenia, Georgia, Kyrgyzstan, Republic of Moldova, Tajikistan, Ukraine, and Uzbekistan), United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and the United Nations Environment Programme (UNEP). The Implementing Partners for the full project additionally include UNEP-CCC (Climate Change Center), Green Building Alliance (GBA), Institute for Energy Efficiency in Production (EEP), and Passive House Institute (PHI).

The objective of the project will be achieved by implementing the following activities:

A1.1. Review baseline situation including legal and institutional frameworks for buildings, to inform on existing gaps and specific requirements for project implementation;

A1.2. Map key stakeholders and project partners and identify their roles in the project, conduct appraisal missions to validate the baseline situations and engage local stakeholders and secure their involvement in the project’s activities;

A1.3. Prepare a complete project document;

A1.4. Conduct validation workshop for the detailed national implementation plans with stakeholders.

**Expected results of the project:**

EA1. Development of project document for improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings

**Target group and beneficiaries of the project:**

The beneficiary countries are Armenia, Georgia, Kyrgyzstan, Republic of Moldova, Tajikistan, Ukraine, and Uzbekistan. The primary target groups are entities dealing with policy development and implementation in the area of energy efficiency and construction, including ministries, government agencies, and regulatory authorities, domestic and international financial institutions, academia, industry associations, project developers, architects, designers, contractors, and energy consultants. Additional stakeholders can include community representatives, civil society organizations, international donors and the media. The project will target other stakeholders in the building supply chain at the national and local levels.

**Justification of project and its relationship to the programme of work:**

The project is directly linked to the objective of the Subprogramme 5 “Sustainable Energy” “to ensure secure access to affordable, reliable, sustainable and modern energy for all and to reduce greenhouse gas emissions and the carbon footprint of the energy sector in the region” of the UNECE Proposed programme budget for 2023.

**Estimated UN regular budget resources (work months of RB staff/level of Staff):**

0.5 months of P5; 0.5 months of P3; 0.5 months of G6

**Estimated extra budgetary resources:**

Donor	Amount (EUR)
Germany (International Climate Initiative (IKI))	250,000

**Project Manager:**

Oleg Dzioubinski

04.11.2022

**Section/Division:**

Sustainable Energy Division

**Cleared by Programme Management Unit:**

Nicolas Dath-Baron

04.11.2022

**Approved by EXCOM<sup>1</sup>**

**30.11.2022**

<sup>1</sup> See paragraph 31 (a) of Commission decision A(65).

**Annex**  
**Results-based budget for the extrabudgetary project**

Expected Accomplishments	Planned activities	Estimated costs <sup>1</sup> (EUR)
EA1. Development of project document for improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings	A1.1. Review baseline situation including legal and institutional frameworks for buildings, to inform on existing gaps and specific requirements for project implementation. International consultant (UNECE) to coordinate review of baseline situation: 3 months x EUR 6,000 per month Project implementation support (national/international consultants and personnel in implementing partners) to review baseline situation	68,000 18,000 50,000
	A1.2. Map key stakeholders and project partners and identify their roles in the project, conduct appraisal missions to validate the baseline situations and engage local stakeholders and secure their involvement in the project's activities. International consultant (UNECE) to coordinate mapping key stakeholders and project partners and identifying their roles in the project and conduct appraisal missions: 2.5 months x EUR 6,000 per month Project implementation support (National/international consultants and personnel in implementing partners) to map key stakeholders and project partners and identify their roles in the project and conduct appraisal missions Travel of staff (UNECE) x 1 mission x EUR 2,000	57,000 15,000 40,000 2,000
	A1.3. Prepare a complete project document. International consultant (UNECE) to prepare a complete project document: 2 months x EUR 6,000 per month Project implementation support (national/international consultants and personnel in implementing partners) to support preparation of a complete project document	37,000 12,000 25,000
	A1.4. Conduct validation workshop for the detailed national implementation plans with stakeholders. International consultant (UNECE) to oversee preparation and conduct of the validation workshop for the detailed national implementation plans with stakeholders: 1 month x EUR 6,000 per month Project implementation support (national/international consultants and personnel in implementing partners) to prepare and conduct validation workshop for the detailed national implementation plans with stakeholders Travel of staff (UNECE) x 1 mission x EUR 2,000 Contractual services (UNECE) for organization and conduct of the validation workshop Travel of staff (implementing partners) Contractual services and travel of participants (implementing partners) for organization and conduct of the validation workshop	57,050 6,000 19,000 2,000 3,050 7,600 19,400
	<b>Budget summary</b>	<b>219,048</b>
	13% of Programme Support Costs	28,476
	Evaluation <sup>2</sup>	-
	1% coordination levy	2,475
	<b>Total</b>	<b>250,000</b>

<sup>1</sup> Cost estimates are given in EUR as the contribution from the donor will be in EUR. Costs will be converted into US\$ at a later stage.

<sup>2</sup> The donor has informed UNECE of its intention to conduct an external evaluation of the project. UNECE and the evaluator selected by the donor will collaborate to ensure that the evaluation meets all UNECE evaluation norms as contained in UNECE Evaluation Policy (EXCOM Informal Document 2021/35/Rev.1) and that the final report is publicly available. UNECE will therefore forego the internal evaluation of the project.