



Charita Ceska republika – Caritas Czech Republic

Vladislavova 12, 110 00, Prague 1, Czech Republic

tel.: +420 296 243 344, fax: +420 296 243 333,

e-mail: sekretariat@caritas.cz

ICO: 70 11 969

Terms of Reference for External Project Evaluation

Type of assignment: Final external evaluation of development project

Expected duration of assignment: 1 month (preparatory work. 10 days; field data collection in Mongolia (1 week up to 10 days), report drafting 10 days)

ORGANIZATIONAL CONTEXT

Caritas Czech Republic (CCR) is a non-governmental organization with the vision of reducing human suffering, loss of lives, and poverty, enhancing the dignity of people living in poor conditions as well as building up and strengthening solidarity and participation. The traditional fields of work for CCR are social work, health care, education and livelihoods. Besides its activities in the Czech Republic, CCR, through its department of humanitarian and development aid, provides assistance abroad, in areas affected by natural disasters, war, conflicts, or poverty, both on humanitarian and development basis.

Mongolia is a priority country for Czech development cooperation. CCR has been working in Mongolia since 2006, when it launched its first development project in the country. Since 2008 it has had an office in Ulaanbaatar (its mission). It has dedicated its work particularly to education, social work, restoring livelihoods, humanitarian assistance, prevention of risks of natural disasters and human rights. Since 2012, CCR has been implementing the following project **"Supporting a greener and more energy efficient construction sector in Mongolia"** which is so far the largest project implemented by CCR in Mongolia.

PROJECT INFORMATION

1) Facts and Figures

Project title: *"Supporting a greener and more energy efficient construction sector in Mongolia)"*

Lead Implementing Organization: Caritas Czech Republic (hereafter: CCR)

Implementing partners: Caritas Mongolia, Swedish Environmental Institute (IVL), Center for clean development

Funding Partner: European Union, Czech development Agency (CDA), Swedish Government.

Project Period: January 2012-August 2016 (56 months).



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Project budget: 1 690 341 Euros

The project is part of the European Union Switch Asia program (<http://www.switch-asia.eu/>) dedicated to promote economic prosperity and help reduce poverty in Asia by encouraging a sustainable growth with low environmental impact from industries and consumers, in line with international environmental agreements and processes. More specifically it aims to promote sustainable products, processes, services and consumption patterns in Asia by improving cooperation with European retailers, producer and consumer organizations and the public sector.

2) Project information

The action aims at reducing the environmental impact of the construction industry in Mongolia through introducing the use of fly ash from coal power plants for making greener building products and through supporting environmentally sustainable construction standards and practices.

The **overall objective** of the project is through promoting sustainable growth, to contribute to the economic prosperity and poverty reduction in Mongolia and to the mitigation of climate change.

The **specific objective for the project is** to promote sustainable production and sustainable consumption patterns and behavior in the construction industry in Mongolia by mobilizing the private sector along with relevant public sector authorities.

Target groups:

- (i) Small and Medium-sized Enterprises (SMEs) in the construction industry

The proposed Action will promote sustainable production, consumption and behavior among SMEs producing construction products (e.g. concrete and bricks) and SMEs involved in construction (e.g. buildings and roads).

- (ii) Vocational training schools and university teaching construction subjects and their students

30 selected vocational training schools (VTS) and the Mongolian University of Science and Technology (MUST), which have programmes for construction workers (engineers, architects and skilled workers) will be enabled to teach green construction practices. Their teachers will receive training on how to implement green know-how into the existing curricula and they will receive the associated training materials.

- (iii) Government bodies responsible for construction and environmental policy and standards

The relevant government bodies (Ministry of Roads, Transportation, Construction and Urban Development, Ministry of Environment, etc) will become aware of the necessity of the green construction materials and practices and their advantages. This will assist the government bodies to create appropriate policy instruments to stimulate green construction products and practices.



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The final beneficiaries of the proposed Action are the urban residents living or working in buildings constructed or renovated using green construction products and practices.

Project Background

The construction industry has expanded rapidly in recent years in Mongolia, but little attention is being paid to the environmental impact of the industry.

One of the main materials used by the construction industry in Mongolia is concrete, which is conventionally made of a mix of cement, water and aggregates. The substitution of the aggregates with waste materials produced by the power plants (i. e. fly ash and cinder) would reduce the costs of the concrete and improve its insulation capacity. This substitution would also save natural raw materials and would reduce the need for disposing of fly ash in land-fill. Mongolia has numerous coal fired power plants producing a huge quantity of fly ash (about 300,000 tons per plant per year), which is currently disposed of in land-fill, with negative environmental impacts.

Moreover, in the course of the current construction boom in Mongolia, from the design to the material used and the insulation techniques applied, there is little awareness of how to reduce the environmental impact of the construction process, and also of the positive economic consequences of green materials and technologies. This gap needs therefore to be addressed.

Project Expected Results

- The identification, development and official approval of green construction products made using fly ash.
- The support of the production and sale of fly ash products.
- The identification and promotion of green construction products and practices by SMEs in the construction industry.
- The improvement of the policy environment in order to facilitate the use of the green construction products and practices.

Project Activities

- Organize research and development activities to identify five construction materials made with fly ash. Facilitate development of appropriate standards and obtain recognition of green products made with fly ash under the Mongolia eco label.
- Present the research findings and manufacture techniques of the green products to all interested SMEs in the construction industry. Form a producers' group and assist it in developing a fly ash collection mechanism and a marketing campaign to sell products made from fly ash.
- Support the development of locally appropriate green construction practices and create training materials. Conduct training of the staff of SMEs in the construction industry (engineers, architects, builders, etc.) and training of trainers in vocational schools.
- Form a green construction marketing group among building companies and assist them to market their services so as to encourage widespread public demand for greener buildings and sustainable construction practices.



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- Conduct an advocacy campaign with government stakeholders to improve norms and regulations and to implement incentive/disincentive policies to support environmentally sustainable construction products and practices.

Facts (updated in March 2016)

- Research on the fly ash based products has been achieved in the course of 2014 (3 Ash based products have been developed and piloted). Activities related to standardization have been completed in 2014. Research results have been already disseminated through 11 fly ash conferences (81 SMEs), a Green construction fair. Training on how to manufacture ash based products have just started in April 2016.
- An advertising campaign on Ash based products benefits was launched in March (TV interviews, TV animation broadcasting, article, handbook, products brochures, etc.).
- 20 conferences on Sustainable consumption and production (SCPs); 31 on Green construction practices (GCPs) have been organized and 400 construction companies participated in those seminars (Around 800 participants)
- Training materials on Green construction practices (GCP) have been elaborated for the professionals (Engineers, Architects) and skilled workers from the construction industry. On-site training sessions on GCP have been organized for SMEs' workers (43 trainings organized for SMEs, participation of 787 professionals)
- Memorandums of understanding (MoUs) have been signed with 15 vocational training schools (TVETs) in order to integrate GCP training contents into their curriculum. Schools' teachers have been trained on green construction practices (Teachers from 15 TVETs and 1 university). 5 vocational schools have officially incorporated the training material into their curriculum. 900 Students attended the GCP training course.
- Training material has been upgraded to the university level and MUST University has launched the new curriculum.
- The project has built strong relationship with different stakeholders from the construction sector (Ministries, state agencies, educational sector, labor departments from Ulaanbaatar districts, SMEs) and has already signed 26 MoUs with different institutional actors.
- The project has signed a MoU with the Ministry of environment to work on updating regulations on Eco-label and incentives on clean technology.

ASSIGNMENT INFORMATION

Description of deliverables

Selected supplier will conduct external final evaluation of the given project and based on the findings will draft evaluation report in English.

The evaluation report shall have around 35 pages. Its structure shall be as follows:

- Methodology applied
- Findings
- Conclusion and recommendation

The evaluation shall focus mainly on the questions below (the list is not exhaustive):



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Project Relevance

- Evaluate the relevance of the project objectives and expected results to the needs of the country, target groups and beneficiaries.
- implemented activities

Project Management

- What are the strengths and weaknesses of CCR's project management?
- Were the indicators of project activities fulfilled?
- How is the project perceived by the main stakeholders
- Was the division, coordination of roles and communication between CCR and other project partners (Center for clean development, IVL, Caritas Mongolia) efficient?
- What was the level of local stakeholder (including beneficiaries, government and the local partners) participation in implementation and monitoring?
- How have lessons learned from monitoring/evaluation during the project implementation been incorporated into the project?
- Was the project management able to adjust the project to changing situations or contexts?
- Was the project managed efficiently, in terms of human capital, staff, and financial and other resources versus the results?
- Did the project take account of national and local development plans? Did it adjust to these?
- Have there been any substantial changes in the context of local and national policies influencing project implementation / management?
- What were the internal and external constraints to achieve better efficiency and how well were they mitigated?

Project Impact / Effectiveness

- To what extent have the project objectives been fulfilled?
- To what extent have the project expected results been fulfilled?
- Does the extent of the objectives' and results' achievement correspond to the original project time-plan?
- In case of delay in the objectives' and results' achievement, what are the reasons?
- What was the projects' impact on target groups, direct beneficiaries, local partners and other local stakeholders?
- What was the projects' impact on the indirect beneficiaries?

Sustainability and replication possibilities

- What evidence is there to suggest the project's interventions, results and institutions will be sustained after the project ends?
- What were, if any, the innovative and successful approaches from this project that are of relevance and useful for other actors / stakeholders?
- What future role could CCR play after the completion of the project?

Requirements

Necessary:

- At least 5 years of experience in evaluating development projects



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- Fluency in written and spoken English and the ability to edit texts in
- Proven Excellent analytical skills
- Excellent interpersonal and communication skills, and comfortable working across cultures
- English
- Demonstrated understanding of development sector (more specifically linked to environment and construction)

Recommended:

- Expertise in environmental and construction issues
- Experience in working in Mongolia on project related to SCP

Selection of supplier and selection criteria

The evaluator will be selected on the basis of offer submitted to CCR.

An offer shall contain:

- Description of relevant expertise and experience (copies of documents proving the expertise and experience shall be attached)
- Description of the methodology to be applied
- Time plan
- Budget of the evaluation and total price of the offer (the price cannot exceed the price stated below)
- Contract signed by the applicant

The selection criteria will be as follows:

- Offered price (40%)
- Proven expertise and experience (30%)
- Quality of the proposed methodology (30%)

Terms of assignment

Selected evaluator will be subcontracted by CCR to produce the deliverables specified above.

The evaluation shall be conducted by 17 June 2016.

Maximum price to be paid for the delivery is 5, 500 EUR.

The price agreed on will cover evaluator's remuneration, all costs incurred by the evaluator related to the assignment and all taxes and fees required by law.

CCR will provide transportation in Mongolia.

CCR will provide the evaluator with all information and documents it has at its disposal needed to conduct the evaluation.

How to apply

Interested candidates should send their offers in English to the following address email address thibault.chapoy@charita.cz and evzen.divis@caritas.cz by 22 April 2016.



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In case of questions, please contact Thibault Chapoy, Head of Mission on Mongolia (thibault.chapoy@charita.cz).

Only full offers will be considered.