Terms of Reference (TORs) - Development of innovative climate decision tools for the Building Businesses' Climate Resilience in Sri Lanka project (BBCR)

Background

In 2016 and 2017, 80% of business establishments affected by floods in Sri Lanka were micro, small and medium enterprises (MSMEs). Losses to businesses have cascading impacts on the economy and society. Climate change is expected to further exacerbate the risks of floods and landslides, which have adverse impacts on businesses damaging their physical assets, production, access to raw materials, revenue loss etc. Financially and technically feasible solutions exist, but businesses are in general unaware of the potential adaptation measures have to reduce their risks and losses in the long term.

With the support from the Nordic Climate Facility, UNEP DTU Partnership, Asian Disaster Preparedness Center, the Ceylon Chamber of Commerce and MPEnsystems have initiated the 'Building Businesses' Climate Resilience in Sri Lanka project (BBCR)', which aims to develop innovative climate decision-making approaches and tools for strengthening the adaptive capacity of MSMEs. A key component of the project is the design of innovative climate decision-making tools to help MSMEs in the garment industry identify, plan, finance and implement suitable adaptation measures that will help them strengthen their resilience to recurrent floods. The project aims to develop an innovative and sustainable way to build businesses' adaptation capacity in the garment sector that can later be replicated and scaled across other sectors and countries.

Objective of the consultancy

To facilitate project activities and develop an easily accessible, user-friendly tool to catalyse adaptation action, in close collaboration with project partners and future users, UNEP DTU Partnership is seeking to hire a consultancy firm with documented experience in design technology and innovation. The design of the tool will be based on a participatory approach and informed by an in-depth analysis of disaster impacts and actors' behaviours, preferences and existing governance structures. The business concept proposes to integrate long-term climate adaptation solutions in business operations, in a participatory manner, which is cost-effective and contextually adapted to the disaster prone businesses in the garment industry in Sri Lanka. The tool will be piloted in selected flood-prone case areas.

An in-depth analysis of the disaster impacts and related costs incurred by businesses, and actors' behaviors, preferences and existing governance structures, will inform the design of the tool, which will be piloted in selected flood-prone case areas in Sri Lanka. Here built-in features will for example help businesses understand how flooding impacts their specific operations and what the needed processes are to reduce their risks by identifying and investing in the most suitable adaptation measures.

The consultants will work in close collaboration with UNEP DTU Partnership, project partners and key stakeholders (future users of the tool). Besides developing the actual tool, it is expected that the consultants will be active with design advice throughout the project, including scoping of research, co-creation activities, workshops, pilot structure, and prototype refinement after the pilot.

Expected workplan

The consultancy will primarily support work package 2 of the project (Product design) described below, while advice will be provided to work packages 1 (baseline survey) and 3 (Delivery mechanism).Work packages:

1. **Baseline survey and market analysis**: collection of data documenting the losses that the garment sector is suffering due to negative impacts of climate change, the attitudes and perceptions towards risks of industry actors; engagement with financial sector partners, actors' perceptions and behaviours, preferences and existing governance structures etc.
2. **Product design:** development of tools and capacities for assessing climate risks and enabling adaptation decisions and investments.
3. **Delivery mechanism:** identification of the most suitable mechanism and organization for delivering of the DRM and business continuity product to garment sector businesses
4. **Product launch** will follow after formal closure of the NCF project

Contract duration: 1.3.2019 - 1.4.2020

Key deliverables:

- Design of tool concept and prototypes
- Design and co-creation workshop and focus groups in Sri Lanka
- Facilitation training, and support materials for the focus groups and co-creation sessions
- Design advice throughout the project, including scoping of research, data collection and pilot structure and prototype refinement after the pilot

Profile and Skills
The consultants should have:

- Applied knowledge in facilitating participatory design processes and innovation and experience with prototyping
- An advanced university degree or equivalent (Master's degree or higher) in areas related to design and innovation, or equivalent work experience.
- Good organizational skills, especially to facilitate focus groups and workshops
- Good interpersonal skills / communication.
- Fluency in English
- The ability to work with a wide range of stakeholders

Application deadline: 18.2.2019

Required documents:

- A technical offer including a description of the approach followed and activities planned to cover the tasks mentioned above
- CVs of consultants

- A financial offer including breakdown of the costs.

Payment
Payment of fees will be agreed upon

Selection Process
The selection process will be carried out by UNEP DTU Partnership with the assistance of its partners. The selection will be based on criteria such as relevant qualifications, experiences and skills.

Language
All outputs should be prepared and submitted in English Language.

Intellectual Property Rights
All information, results and products, whether tangible or intangible, resulting from the project will be considered as the property of the UNEP DTU Partnership.

Please submit your proposal to project manager Caroline Schaer at cesc@dtu.dk