

Universal and equitable access to safe affordable drinking water
Preparation of the Support Documentation for the Feasibility Study
Terms of Reference for the Contract
between the Czech Development Agency and a Junior Consultant

1. THE BACKGROUND

Sustainable management of Natural Resources has been specified as one of the priority areas of the bilateral development cooperation of the Czech Republic and Cambodia 2018 – 2023. Universal and equitable access to safe affordable drinking water has been defined as one output related to that priority area.

The Czech Development Agency (CzDA) is preparing a project that should contribute to achieving this output.

The goal of the proposed project is an elimination of arsenic pollution from two drinking water sources in two pilot locations in Kandal province, Cambodia (Sony Wu Samrong Thom High School in Chrony Sorn village and the health Centre in Kokir Thum village). The idea is to install there a technology (filters) capable to remove high arsenic concentrations from pumped groundwater. The project also includes putting the installations into operation and training its operators. The technology should be simple and easy to maintain.

Several local experts highlighted some issues linked with providing safe and quality water from underground resources contaminated naturally by arsenic. There is a general experience that local people and authorities do not have enough (technical) capacities for the regular servicing of similar water treatment installations, a necessary regular water sampling for control of operation is not carried out, there is a lack of money for these purposes.

Thus, a feasibility study (F/S) is proposed to be carried out as the first step. Its principal goals:

- a) to review and analyse sustainability barriers of the proposed project content;
- b) to propose actions increasing chances for the project sustainability; and
- c) to review and analyse local possibilities of securing alternative arsenic-free drinking water sources in the villages of concern. To propose revision of the project Concept Note and proposal of its further steps in case such options are identified.

Potential existence and feasibility of the following local options for alternative safe drinking water sources should be evaluated by the F/S:

- alternative underground strata with As-free groundwater
- rainwater harvesting and tank programme,
- surface water treatment,
- piped water supply system from an external source,
- drinking water vendor systems.

The Embassy of the Czech Republic/Czech Development Agency (CzDA) is seeking for the local junior consultant capable of gathering initial information important for the preparation of the Feasibility Study.

2. EXPECTED OUTCOMES FROM THE LOCAL CONSULTANT

A consultant is asked to elaborate a document that will have the form of answers to questions specified in the next chapter below.

These questions should be submitted to/consulted with:

- d) experts from various central institutions and/or authorities,
- e) local representatives and other persons from the villages where a project should be carried out.

An identification of suitable experts, representatives and other persons is up to the consultant, but should be consulted with the CzDA advance. The indicative list of potential subjects/persons suggested by the CzDA for interviews will be shared with the consultant.

The output document is supposed to be based exclusively on interviews. No fieldwork (apart from visits of villages in concern) is expected to be carried out for seeking answers to these questions in the frame of the contract between the local consultant and the CzDA.

The source of an answer to each question must be attached to it (at least name of the person, his/her position, date of the interview). Also, if using other sources (i.e. books, websites, etc.), please always use the quotation (write the source of information).

Final documentation elaborated by the expert (expected to have at least 15 pages) should be handed over both hard copy to the Embassy of the Czech Republic in Phnom Penh and soft copy via email to the Development Section of the Embassy of the Czech Republic in Phnom Penh/CzDA (specific emails will be provided later to selected expert) one month after the contract is signed.

Expected length for the elaboration of the documentation (including interviews with relevant stakeholders) is 10 working days in total (1 working day = 8 working hours). Expected remuneration is 150 USD gross per working day.

3. LIST OF SPECIFIC QUESTIONS WILL BE PROVIDED TO THE SELECTED CONSULTANT.

4. SUGGESTED LIST OF INFORMATION SOURCES RECOMMENDED BY THE EMBASSY WILL BE PROVIDED TO THE SELECTED CONSULTANT.