

## **Terms of Reference (CN-12-4)**

# **National Technical Expert on Site Management and Cleanup for China Contaminated Site Management Project**

### **I. Project background**

To meet relevant requirements of the National Implementation Plan (NIP) for Stockholm Convention on Persistent Organic Pollutants (POPs) to control and gradually eliminate the potential environmental safety risk of POPs contaminated sites and protect the ecological environment and human health, Foreign Economic Cooperation Office (FECO) cooperates with the World Bank to implement the China Contaminated Site Management Project (hereinafter referred to as the project). The project aims to improve the country's capacity for managing site contamination, and demonstrate environmentally sound identification and cleanup of sites contaminated with POPs and other hazardous chemicals.

The project will support three components to achieve the above mentioned objective: (1) Capacity Development for Prevention and Control of Site Contamination, this will include development of technical guidelines and policy recommendations and financing options for prevention and control of site contamination at the national and local levels, training for prevention and control of site contamination, establishment of national database for POPs contaminated sites, feasibility study for a knowledge and remediation centre in Chongqing, demonstration of establishing regional soil and groundwater contamination prevention and early-warning system at the industrial park; (2) Cleanup Demonstrations of Sites Contaminated with POPs and Other Hazardous Chemicals; and (3) Project Management.

This project will end in March 2023. In order to effectively organize and implement project activities, it is proposed to employ one national technical expert with substantial experience in contaminated site management and cleanup to provide technical support for capacity development and site cleanup activities to FECO and the two PMUs.

### **II. Objectives**

The objective of this assignment is, from the technical point of view, to assist FECO during the implementation of project activities related to site cleanup, capacity development and other activities.

### **III. Scope of Work**

At the start of the assignment the national consultant will be provided with the Project Appraisal Document (PAD), Project Implementation Manual and other documents detailing project activities. The PAD is also available on World Bank's InfoShop and can be accessed by the consultant to help during preparation of its proposal.

The consultant will provide the technical support from the perspective of his/her respective

technical field of competence. Specific tasks will include:

(1) Provide technical support for FECO to carry out contaminated site cleanup demonstration, including (a) carrying out field visit of demonstration sites to keep track of the working progress, identification of unforeseen situations and providing solution suggestions as needed; (b) review and provision of comments of all relevant reports about site investigation, risk assessment, remediation plan, environmental and social assessment, environmental and social management plan, environmental supervision, remediation effect evaluation; (c) preparation of environmental safeguards progress reports and site completion report.

(2) Communicate with international consultant and PMUs, review the reports prepared by other consultants, support FECO in supervising the quality and progress of these project activities and deal with the unforeseen situations as requested by FECO.

(3) Help FECO design new activities and draft the TORs according to the PAD of the project and the needs of the nation.

(4) Serve as resource person/trainer to participate in the key workshops/trainings, such as the training of trainers, development of training materials etc. Attend World Bank's semi-annual implementation support missions and key technical discussion, provide improvement suggestions and acceptance opinion for site contamination cleanup.

(5) Help FECO refine and summarize the outputs of the project, assist in formulating the policy suggestions or academic papers for the knowledge dissemination and impact enlargement purpose.

(6) Other consultancy work related to the Project activities as required.

#### **IV. Output Reports**

(1) Comments on relevant reports.

(2) Environmental Safeguards Progress Reports and site clean-up demonstration completion reports.

(3) Training PPTs.

(4) TORs.

(5) Others as requested

#### **V. Qualification requirements**

The qualification requirements for the expert to be employed are as follows:

(1) At least 8 years' experience in the field of contaminated sites remediation.

(2) Rich experience on site management study, familiar with site management policy.

(3) Familiarity with the requirements of the *Stockholm Convention* with background in field of POPs and preferably rich experience with POPs contaminated site investigation and remediation.

(4) Good communication skills, strong speaking, reading and writing skills in English.

(5) Sufficient working time, ensuring that the work is conducted subject to schedule.

## **VI. Time requirements**

The consulting service will last from Feb. 2022 to Mar. 2023.