

# 环境保护部环境保护对外合作中心

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## 关于中国白蚁防治氯丹灭蚁灵替代示范项目

### 执行评估咨询服务的招标公告

各有关单位:

为履行《关于持久性有机污染物的斯德哥尔摩公约》，推动环境友好持久性有机污染物（POPs）杀虫剂类替代技术的应用和推广，我中心与世界银行合作开发了“中国白蚁防治氯丹灭蚁灵替代示范项目”（以下简称“项目”）。根据项目安排，拟聘请一家有资质单位承担项目实施评估咨询服务工作，有关工作内容及要求如下：

#### 一、主要工作内容

1. 根据项目目标和项目实施评估导则，评估并总结项目活动、投入、产出和成果，以及项目执行过程中采用的相关白蚁防治的新技术、战略及管理模式等；
2. 总结项目执行过程中取得的经验、教训及影响等；
3. 分析项目示范技术及经验推广到全国的可行性，包括对可能的风险和收益等进行预测和判断；
4. 项目影响评估，包括政策导向、行业推广、管理机构能

力建设，及项目管理可持续性等方面。

## 二、主要工作产出

1. 合同签署前提交详细的项目建议书，包括场地选择、调查及评估，和调查问卷等；
2. 项目评估总报告（2011 年 12 月中旬前完成）。

## 三、时间要求

2011 年 12 月 30 日前完成本项服务。

## 四、单位资质要求

1. 5 年以上项目评价或评估经验，并具有承担此项工作的相关的资质；
2. 丰富的项目影响或项目实施评估经验（国际或国内项目），承担过世界银行或联合国机构项目评估经验者优先考虑；
3. 项目小组应至少有 4 名核心成员，并具有完成项目所有既定活动所需的各种资历或经验，如有个别活动需要可适当增加工作人员；
4. 小组核心成员应至少具有以下资历：
  - 1) 项目负责人：
    - a. 拥有本科或以上学历，5 年以上相关工作领域的管理经验；
    - b. 丰富的项目影响或项目执行评估工作经验；
  - 2) 小组核心成员：
    - a. 拥有本科或以上学历，3 年以上相关工作经验；

- b. 熟悉项目影响评估;
- c. 能独立完成相关工作报告的编写;
- d. 有熟练的英语口语和书写能力,特别是在白蚁防治领域。

## 五、评标方法

此项咨询服务采用世界银行基于资质的选择方式 (CQS)。

请有意向的咨询公司/单位在 2011 年 10 月 10 日之前发送意向函、资质证明和相关业绩材料至以下联系人。

联系人: 崔琳

电 话: 86-10-82268983

传 真: 86-10-82200527

地 址: 北京市西城区后英房胡同 5 号, 环境国际公约履约大楼

邮 编: 100035

E-mail: [cui.lin@mepfeco.org.cn](mailto:cui.lin@mepfeco.org.cn);

附件: 中国白蚁防治氯丹灭蚁灵替代示范项目执行评估咨询服务工作大纲

二〇一一年九月二十六日





附件:

## **Terms of Reference**

### **Project Implementation Evaluation of**

### **Demonstration Alternatives to Chlordane and Mirex in Termite Control Project**

#### **BACKGROUND**

1. In cooperation with the World Bank (WB), Foreign Economic Cooperation Office (FECO) of Ministry of Environmental Protection (MEP) prepared a project entitled Demonstration of Alternatives to Chlordane and Mirex in Termite Control. The project was approved by the Global Environmental Facility (GEF) in June, 2005. The objective of the project is to mitigate environmental and health risks associated with chlordane and mirex in termite control through the following actions:
  - a) Eliminate chlordane and mirex by introducing Integrated Pest Management (IPM) in demonstration area; and
  - b) Gaining relevant experiences in designing a cost-effective program for completely phasing out chlordane and mirex (C&M) in China.
2. The key outputs of the project will include (a) elimination of 150 MT of chlordane and mirex use in the building construction sector of the demonstration area; (b) comprehensive policy, regulatory and institutional reforms at the national and provincial level to replace termiticide-based termite management with integrated termite management; (c) closure and clean-up of the chlordane and mirex facilities and a permanent reduction of 150 MT in the national chlordane and mirex production (China banned chlordane and mirex production, consumption and their use in May 2009 already); and (d) development of a

national replication program for phase out of chlordane and mirex in the rest of China.

3. IPM is the key component of the demonstration project as a modern pest control, and one goal of termite IPM is to reduce termite damage potential by managing populations of termite pests, while maintaining a quality environment by minimizing adverse side effects. IPM is ecologically-based and to the extent possible, relies on environmentally sustainable non-chemical or low-chemical control methods. Under the requirement of the IPM, termite bait system was identified as the core technology of project due to its low toxicity and its ability to control termite population through colony elimination. The bait system technology requires only minute amounts of chemicals, uses chemicals which are less harmful to human health and to the environment, and targets entire termite colonies rather than individual termites. The sub-component will fund procurement, installation and monitoring of about 400,000 in-ground bait systems and about 500,000 above-ground bait systems. The use of these bait systems will result in a permanent reduction of national consumption of chlordane and mirex by 150 metric tons, from 450 to 300 metric tons. Moreover, factories that produced chlordane and mirex in China were closed, thus eliminating these two POPs from China.
4. Although bait systems have been successfully used for this project, current bait systems are more expensive than the traditional method of spraying insecticide on soil, and labors associated with bait installations and monitoring also add to the operation costs. With the limited availability of bait system in China, there is a need to add more tools for termite IPM in China so as to increase its sustainability. It was suggested by Chinese termite experts to consider dust application in combination with the monitoring procedure used for bait system because this technique has been used in China for tens of years. As a complement to the Demonstration of Alternatives to Chlordane and Mirex in Termite Control Project, a small-scale regional pilot project of monitoring on dusting system in termites control will be carried out in non-demonstration provinces. This demonstration



project will help to seek more cost-effective alternative techniques and methods for IPM in termite control, and to further promote the industry technological upgrading and sustainable development.

5. To better understand and evaluate the project achievement and output, one individual consultant was hired for preparation of an evaluation guideline and providing technical support about further evaluation process etc. And so far, the project implementation evaluation guideline has been approved by FECO in July, 2011. The guideline (see attachment to this TOR) provides what and how to carry out the project implementation evaluation.
6. This TOR is prepared for the Consulting firm to assist CIO to conduct the project implementation evaluation under the technical guideline prepared by the individual consultant and make the evaluation result as reference for future use and improvement.

## **OBJECTIVES**

7. The goal of this assignment is to evaluate the inputs, activities, outputs, achievements and impacts during the implementation period of the project. Based on the original designed project objectives, the project implementation progress and result, influential factors will be analyzed. The lessons learned from the demonstration will be incorporated into the evaluation, and the future trend of the project impact will be predicted and judged. The evaluation objectives include:
  - (1) To review and summarize the input, activities, outputs and achievements of the project (project objectives realization);
  - (2) To summarize relevant technologies, strategy and management models from project implementation;
  - (3) To summarize experiences and lessons learned from the implementation of the project;
  - (4) To analyze the feasibility of demonstration experiences promoted to the whole nation, and to predict and judge the risks and benefits for project promotion.

## SCOPE OF WORK

8. The scope of work and the detailed tasks for consulting firm(s) include six components:

- (1) Draft the proposal and the detail work plan to carry out the task based on the evaluation guideline. It should include evaluation objectives, implementation schedule, evaluation scope, evaluation criteria, evaluation methodologies, planning process, milestones, meetings for evaluation process if needed, and timeframe of final deliverables and so on. As the project will be closed on Dec. 31, 2011, an appropriate work scope should be agreed with FECO.
- (2) Investigation and questionnaire designing, including sampling program and methodologies, questionnaire and interview survey designing. Organize workshops<sup>1</sup> on the evaluation criteria, methodologies, sampling strategy, questionnaire designing evaluation plan with the participants including related experts, stakeholders and implementation agencies. The investigation and questionnaire should be reviewed and agreed with FECO.
- (3) Data collection and field investigation. Field investigation will be conducted based on the designed investigation plan to collect the data and information. Enough sample survey and questionnaires will be done to the related stakeholders. The source of information and select appropriate information gathering methods should be identified by consultant. A visit plan should be agreed with FECO and the three demonstration provinces before departure.
- (4) Draft the field investigation report according to the results of field surveys, and hold a seminar for stakeholders;
- (5) Meetings with FECO on exchange of implementation progress and solving issues if any;
- (6) Final report preparation and final workshop to present the evaluation results and conclusions to stakeholders. The contents and criteria for the report should follow the demand of the guideline.

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<sup>1</sup> The consultant will organize the workshops or meetings about the evaluation process, or discuss about the data and information they collected for further review etc.



9. In order to ensure the quality of the evaluation, the evaluation should follow the requirements showed in the guideline of evaluation in the appendix.

### **QUALIFICATIONS OF THE FIRMS**

10. The consulting firm should have the following qualifications:

- At least 5-year experience in project evaluation or assessment and proven capacity and experience in organizing and undertaking this kind of assignment.
- Rich experience involving in various projects (international or domestic) impact assessment or projects implementation evaluation, especially those with experiences with the World Bank or United Nations agency projects evaluation will be given priority.
- The working team established should have a core team of 4 members at least with clearly defined responsibilities and qualifications, and more members will be added if necessary for specific tasks. The core team should include, at a minimum, the following:
  - a. One team leader with university degree and 5 years of experience in project management in the execution of similar services. He/she should have sufficient knowledge and experience on project impact assessment or project implementation evaluation etc.
  - b. Under the guidance of this team leader, there are 3 core team members with a university degree, 3 years of experience and expertise with:
    - i. Knowledge and of project impact evaluation;
    - ii. Knowledge and experience of drafting reports
    - iii. Skills on spoken and written English and having termite control knowledge will be helpful.

### **OUTPUTS**

- a) A detailed proposal and work plan to be submitted, 20 days after signing of the contract. The work plan should include the investigation of the sites, the



evaluation and final selection of the sites, the sampling program, designed questionnaire.

- b) Final report, finished before the middle of December of 2011.

### **PROPOSED TIME TABLE**

<b>Activities</b>	<b>Year 2011</b>			
	<b>Sept.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
<b>Contract signed</b>	X			
<b>Draft the detail work plan</b>	X			
<b>Select sites for the investigation and questionnaire designing</b>		X		
<b>Data collection and field investigation (incl. workshops needed)</b>		X	X	
<b>Final report</b>			X	X

### **PROCUREMENT METHOD**

11. A consulting firm will be nationally recruited by procurement method of CQ according to the World Bank procurement procedure. The procurement process will start as soon as possible once the TOR is cleared by the World Bank. The first payment will be made only after FECO agrees with the proposed work plan.

Attachment: Project Implementation Evaluation Guideline