

Consultancy for PCB Project PPG phase (Open for both National and International Candidates)

Location :	Pretoria, South Africa
Application Deadline :	11 th May 2018 (16:00 hours CAT)
Additional Category :	PCB Disposal
Type of Contract :	Individual Contract
Post Level :	International Consultant
Languages Required :	English
Starting Date :	21-May-2018
Duration of Initial Contract	On part time basis during the period May 2018 – February 2019 (75 working days)

Background

The GEF Council has recently approved the Project Identification Form (PIF) for the full sized project titled “Environmentally Sound Management and Disposal of Polychlorinated Biphenyls [PCBs] in the Republic of South Africa (GEF ID 9576), implemented through the Development Bank of Southern Africa (DBSA) and executed by Africa Institute (AI). DBSA and AI are now commencing a detailed project preparation phase expected to last 75 days over the period May 2018 to February 2019. The PIF was approved by the GEF Council on 30th October 2017. At the end of the project preparation phase PPG), DBSA will finalize a project document for approval/endorsement by the GEF CEO.

The project aims to reduce and eliminate the use and releases of PCBs to the environment through development and implementation of a pilot project on Environmentally Sound Management (ESM), and the disposal of PCB-contaminated equipment and PCB-containing oils and wastes and developing sustainable systems for the sound collection, labelling, storage, and disposal of PCB oils and wastes in South Africa.

According to the NIP, in the period 2005-2010, South Africa made some efforts to destroy identified PCBs. This activity was initiated mainly by the industrial sectors. In total, about 1,000 tons of PCB equipment has been destructed. Nevertheless, no PCB decontamination facility has been established yet, and the absence of a national PCB disposal option continues to pose a major challenge for South Africa in terms of accelerating its efforts to meet the obligation of the Stockholm Convention.

South Africa is facing some challenges on the ground and the gaps to be addressed by the project are:

- a) The municipalities across the country do not for the most part, have specific schemes or administrative mechanisms governing PCB oils, equipment and wastes and may obtain PCBs contaminated transformers for second hand use;
- b) The owners of PCB equipment currently lack the means to apply ESM practices to PCB equipment in service, in storage or out of service, let alone even to identify PCB containing equipment in most cases;
- c) Despite awareness raising efforts during NIP preparation, owners of PCB oils, equipment and wastes are frequently unaware of the threats that PCB pose to human health and the environment, hence electrical equipment is not even managed in any environmentally sound manner;

- d) There is limited capacity in the country at the moment to manage PCBs in an environmentally sound manner within the private sector but this capacity is not very well known by the PCBs owners;
- e) There are no systematic investment mechanisms to support the ESM of PCB wastes within the country;
- f) The preliminary national inventory available as a result of NIP development is not sufficiently detailed for the purposes of phase out and disposal planning. Detailed inventories verification of equipment will be needed at enterprise level in the early stages of the full project.

In order to reduce the risks of PCBs on human health and the environment and address the challenges that the Government of South Africa faces in achieving the sound management and disposal of PCBs, PCBs containing wastes and reducing releases of PCBs to the environment, the project proposes the following interventions:

Component 1: Institutional Capacity Building and Awareness Raising

The aim of this component is to assist all PCB holders (Electricity generation, transmission and distribution companies, mining companies and municipalities) to have the ability to verify their PCB inventories, in the first place. It is anticipated that there may be some changes (since the NIP was completed) necessitating the verification of the situation on the ground before final treatment and disposal activities are initiated. These PCB holders will be assisted to develop and upgrade their phase-out plans.

Component 2: Final treatment and disposal of PCB contaminated oils and wastes

This component will comprise of the actual collection, treatment and disposal of at least 2,500 tons of PCB contaminated oils and equipment in an Environmentally Sound Manner. The equipment will be labelled, packaged, transported, temporarily stored, where necessary and finally treated. During the collection phase, verification of the concentrations will be done in order to classify PCB contaminated wastes that will be sent for incineration outside the region, while PCB concentrations below 1000 ppm will be treated within the country.

Component 3: Monitoring and Evaluation

A Monitoring and Evaluation framework will be designed and implemented in accordance with DBSA and GEF requirements.

With this background and in order to support the efforts of the Government of South Africa to eliminate PCBs through Sound Management of Chemicals and Waste, DBSA in its capacity as the Implementing Agency for the GEF, requires the support of a Specialist with technical expertise on POPs/PCB. The consultant will be required to work together with relevant parties (PPG Phase working group, DBSA, Department of Environmental Affairs, Department of Energy, ESKOM and Other companies owning Transformers, etc.) to provide technical input and ensure that all PCB outputs are incorporated in the Project Preparation Grant (PPG) phase during which the detailed preparation of a country project for South Africa will take place. The final documents must be ready for DBSA internal review by latest 28 February 2019.

In this regard DBSA and AI are seeking to recruit a PCB PPG Expert with experience in Project Design to assist in the development of GEF funded Full-Sized Project.

Duties and Responsibilities

Under the supervision of Africa Institute Project manager and in close coordination with other Project Development Team members (PPG working group) and under guidance of the DBSA Team leader, the consultant shall propose a full sized project with specific outputs related to PCB elimination in South Africa. PPG Expert with experience in Project Design will thus assist in the development of GEF funded Full-Sized Project.

This will involve provision of technical support and drafting of text for the various tasks defined in the PPG including:

- Conduct study to estimate the amount of PCBs in the South African system and those ready for disposal in the ownership of selected target sectors/entities
- Conduct a desk review of the latest NIP of South Africa, with regard to PCB information.
- Develop a framework approach/plan to refine the current PCB inventory and training of relevant handlers of PCBs and PCB equipment in the course of the project.
- Assess the challenges/barriers that might be faced adopting more sustainable technologies and management measures
- Explore potential model PCB guidelines that will cover all stages of PCB management (identification, sampling, servicing, safeguarding, and handling, storage, disposal of PCB containing equipment in service and upon retirement). These shall be refined, vetted and trialled in the course of the project;
- Review and lay the framework for revision (as may be necessary) of POPs/PCB related legislation, and identify elements that can be targeted for improving regulations in the course of the project, that will act to enhance registration, labelling, tracking and status of all PCBs and PCB containing equipment in South Africa.
- Identify a range of potential standards and methodologies for ongoing identification and assessment of PCB contaminated sites, which would be applicable to the South Africa's context, and can be further reviewed and endorsed with key stakeholders in the course of the project.
- Draft potential approaches or key elements for an action plan to eliminate PCB or for site remediation, which can then be refined and vetted in the course of the project, with perhaps a trial execution of the actions during the project.
- Undertake an assessment to determine the most environmentally sound and cost effective disposal option(s) that might be refined and vetted in the course of the project, taking into consideration availability, level of technical capacity and other areas of appropriateness to the South Africa's context. The consultant will further develop a high-level proposal for an ESM on treatment and destruction of PCBs and PCB contaminated oils
- Finally draft a full project document based on the approved PIF framework and as per GEF requirements, for the identification, collection and disposal of PCBs oils and PCB wastes in the Republic of South Africa.

The Complete CEO endorsement documentation package shall include the following documents and the consultant will lead, support and ensure completion of these documents and submit for DBSA internal review no later than 28 February 2019:

- Finalized South Africa PCB Project Document

- Finalized GEF Request for CEO Endorsement (with its annexes including the GEF tracking tool.
- All Co-financing Letters

Expected Outputs/ Deliverables:

The consultant will work closely with the Executing Agency and rest of PPG team to achieve the deliverables. S/he will be responsible for the timely submission of the following;

Expected Deliverable	Expected Time	Expected Deadline
Inception report: Detailed PPG work plan approved by the PPG Team	4 days (5%)	1st June, 2018
Stakeholder Inception Workshop, Field Visit and Back to Office Reports	4 days (5%)	22nd June 2018
Assessment report with recommendation highlighting but not limited to the following: <ul style="list-style-type: none"> • Desk review of the latest NIP of South Africa • Through desk-top review (and as identified in PIF) and utilising data collected through the PPG process, conduct an analysis of the PCB Inventory status quo • Develop a a framework approach/plan to refine the current PCB inventory and training of relevant handlers of PCBs and PCB equipment • Challenges/barriers that might be faced adopting more sustainable technologies and management measures • Compilation of the range of potential, nationally appropriate standards and methodologies for ongoing identification and assessment of PCB treatment and disposal facilities that can be further used and further reviewed and endorsed with key stakeholders in the course of the project. • Assessment of nationally appropriate, environmentally sound and cost effective disposal option(s) • High level definition of a proposal to treat and destroy PCBs and PCB contaminated oils 	21 days (28%)	21st September 2018
Synthetic reports on: <ul style="list-style-type: none"> • Baseline situational analysis • Project approaches and strategies including definition of global environment benefits • Financials and budget 	21 days (28%)	19th October 2018
Written contribution to inform Guidelines for a secure storage facility for the pre-disposal storage of PCB containing equipment, Repackaging, Transport, Treatment and Disposal of hazardous chemicals and waste	5 days (7%)	26th October 2018
The Draft DBSA/GEF project Document and GEF CEO endorsement document with annexes and tracking tool	15 days (20%)	31st January 2019

The Final DBSA/GEF project Document and GEF CEO document	5 days (7%)	28th February 2019.
Assist to address comments from GEF Secretariat and GEF Council	Please take this into account	Date will be any time after the submission deadline

To achieve the deliverables, the consultant must liaise closely with the rest of the PPG team accordingly. The frequency and medium of communication with rest of the team will be agreed upon signing the contract. All documents and reports must be approved by the PPG Working Group and DBSA. The Final DBSA/GEF project Document must be ready for DBSA internal review by latest 28 February 2019.

Institutional Arrangement

The consultant will be home based with travel to the field at least three times; one for inception workshop, another for a field assessment and one for the validation workshop. Initial reconnaissance visits will be included during the initial mission for the inception workshop. S/He will be supervised by the Project Manager at Africa Institute and will work closely with the PPG Working Group and Designated Officials from DEA. In order for the smooth implementation of the deliverables the consultant must liaise with other service providers recruited for PPG. Regular updates between the consultant and the Project manager must take place. The frequency and medium of updates/feedback between the PPG Working group members will be mutually agreed upon contract signature. He/she should carry out his/her tasks in accordance with the rules and procedures of GEF and DBSA and those of the Government of South Africa. Any other task that are not included above but during the assignment period later deemed important to ensure the quality of the deliverables could be proposed by the incumbent and shall be agreed jointly.

Duration of the Work

The Consultant will perform his/her assignment with the following timeline:

- S/he will work 75 working days within 10 months to complete the assignment
- The expected effective working date is 11 May 2018
- The Final DBSA/GEF project Document must be ready for DBSA internal review by latest 28 February 2019

Delay in submitting report will impact on the completion of work and release of payment

Duty Station

The consultant will be home-based with travel to the field (in South Africa) as indicated in the travel plan.

Travel Plan

The assignment foresees three missions to South Africa; one for inception workshop (tentatively set for June 2018), another for one Study Tour (for 5 days) for baseline assessment and later for the validation workshop (tentatively set for February 2019) All travel expenses associated with the trips (tickets, accommodation DSA) will be included in the financial offer (which needs to include (i) consultancy fees and (ii) estimated travel cost).

Below is an indicative travel plan for the duration of the assignment. There may be also unforeseen travel that will come up during the execution of the contract which will be agreed on ad-hoc basis.

Destination	Frequency	Duration/days
Mission to South Africa for inception workshop	1	2

Study tour to selected Areas for baseline Assessment in South Africa	1	5
Study tour to country that has implemented PCB treatment & destruction project	1	4
Mission to South Africa for Validation workshop	1	3

Competencies

- Demonstrates integrity by modelling the GEF values and ethical standards;
- Promotes the vision, mission and strategic goals of the GEF and DBSA;
- Displays cultural, gender, religion, race, nationality and age sensitivity and adaptability;
- Ability to lead strategic planning, results-based management and reporting;
- Builds strong relationships with clients, focuses on impact and result for the client and responds positively to feedback;
- Consistently approaches work with energy and a positive, constructive attitude;
- Demonstrates good oral and written communication skills;
- Demonstrates ability to manage complexities and work under pressure, as well as conflict resolution

Required Skills and Experience

Education

- Advanced University degree (MSc, MA or PhD) in Environmental engineering, Chemical and Industrial engineering, hazardous waste management, and other relevant fields or BSc in Environmental management, Environmental science, and Environmental projects management.

Experience

- At least 10 years of experience in hazardous chemicals/waste management and disposal, chemical laboratory (including PCBs) analysis, contaminated sites assessment and management, etc;
- At least 5 years in a supervisory role of technical experts and consultants in hazardous waste management activities with GEF funded projects in particular;
- Thorough knowledge of the international benchmarks in legislation and management of hazardous waste, and specifically POPs;
- Long-term specialization in POPs and PCB management is a strong advantage;
- International experience and good knowledge of principles of chemicals management (as related to the Stockholm Convention in particular) is an asset;
- Understanding of and practical exposure to the institutional framework governing chemical and waste management in middle income countries, countries with economies in transition and Small Island Developing States would be an advantage;
- Knowledge of GEF procedures and guidelines is an advantage.

Language Requirement

- Fluency in English

Application Documents

- The application must include a letter of interest to undertake this task, the CV, and a financial proposal indicating the daily fee (in USD/ZAR) for the assignment.

- Please combine all the documents into one single file, and send them to kkhalema@environment.gov.za OR courier hard copies before deadline (11th May 2018) to

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