

21 September/00

**Terms of Reference**  
**For**  
**EMP Compliance Monitoring Consultant**

## 1.0 PREAMBLE

The Chad Export Project includes a comprehensive Environmental Management Plan (EMP), additional Lender Group environmental/social requirements, and parallel Technical Assistance/Capacity-Building programs for Chad and Cameroon financed by IDA.

- The EMP is a critical element of the Chad Export Project's design. Monitoring implementation of this EMP is key for two reasons.
  - (i) First, it is important, as part of project design (e.g., prevention, etc.) that the parties responsible for implementation of the plan establish a mechanism to oversee that the EMP is in fact being implemented by staff, subcontractors, etc. The proposals by Esso Exploration and Production Chad Inc. (EEPCI), Petronas Carigali (Chad EP) Inc. and Chevron Petroleum Chad Company Ltd. (together the "Consortium") and Cameroon Oil Transportation Company, S.A. (COTCO) and Tchad Oil Transportation Company, S.A. (TOTCO) for monitoring implementation of the EMP by their staff, contractors, subcontractors and other agents are set out in the EMP documentation itself. Separately the government of each country within their territorial boundaries has their specific project monitoring obligations. The EMP includes precise arrangements on management structures and responsibilities and authority for action, and contains the environmental and social requirements of the Intercreditor Agent, IFC and Eximbank (together the "Lender Group"), and the World Bank. The EMP also sets out the scope of supervision/monitoring activities and reporting arrangements, and
  - (ii) Second, the Lender Group requires as a condition of their loans the effective implementation of the EMP. This obligation to implement the EMP will be set out in the various legal agreements binding the parties. The Lender Group and the World Bank must, similarly, be afforded the opportunity to be able to effectively determine whether this obligation is in fact being carried out.
- In addition, the Lender Group and the World Bank must monitor and evaluate the performance of COTCO, TOTCO, and the Upstream Operator to implement the Environmental Commitments. The Lender Group and the World Bank require the assistance of an EMP Compliance Monitoring Consultant in monitoring compliance with these obligations.
- In parallel with the Chad Export Project, the World Bank is implementing technical assistance/capacity building programs in Chad and Cameroon. The World Bank Group requires that progress in the implementation of these two capacity building programs also be monitored.

## 2.0 MONITORING FRAMEWORK OF PROJECT COMPANIES & GOVERNMENTS

- Project Companies means: EEP CI (in its capacity as Upstream Operator), TOTCO, COTCO.
- The major EPC Contractors for the Project and the Oilfield Development are:
  - Pipeline Installation EPC
  - Field Facilities EPC
  - Pump Stations EPC
  - Roads Upgrade EPC (Chad)
  - Road Upgrade EPC (Cameroon)
  - Telecommunications EPC
  - Logistics EPC
  - Drill Rigs - Development Drilling EPC
  - Integrated Drilling Services
  - Offshore Facilities and FSO EPC

Each major EPC Contractor is contractually obligated to have in place a Safety Health and Environment (SHE) Quality Assurance Organization that is responsible for monitoring the Contractor's performance of work related to the environmental, socioeconomic, and health aspects of the Project. The managers, supervisors, and field monitors associated with each major EPC Contractor's SHE Quality Assurance Organization will undertake this monitoring in view of the requirements and commitments contained in each Contractor's approved SHE plans. Personnel associated with major EPC Contractor SHE Quality Assurance Organizations will interface with personnel from the Project Companies' appropriate In-Country EMP Compliance Monitoring Organization (see below).

In the Republic of Chad, EEP CI and TOTCO will have in place an EMP Compliance Monitoring Organization. Similarly, in the Republic of Cameroon, COTCO will have in place an EMP Compliance Monitoring Organization. During construction, each of these Project Companies' organizations will be overseen by an In-Country EMP Manager and will feature an assortment of supervisors and field monitors. The Project Companies' EMP Compliance Monitoring Organizations will submit quarterly compliance monitoring reports to the host governments and to the Lender Group and the World Bank prior to Project Completion.

The key activities of these In-Country EMP Compliance Monitoring Organizations include:

- Monitoring the work performed by EPC Contractors in view of environmental, socioeconomic, and health impacts and mitigation requirements.
- Interfacing with EPC Contractor SHE Quality Assurance Organization personnel, government officials, the EMP Compliance Monitoring Consultant, and Lender representatives concerning the monitoring of the SHE aspects of the Project.
- Accumulating and analyzing SHE performance data submitted by EPC Contractors as required by the EMP and the relevant construction contracts.

- Monitor the Project Companies' communication and consultation process with the affected population.

The Republics of Chad and Cameroon will both put in place organizations to monitor the Project Companies in view of environmental, socioeconomic, and health impacts and mitigation requirements.

In the Republic of Chad, an interministerial organization (i.e., the "Comité Technique National pour le Suivi et le Contrôle des aspects environnementaux" [CTNSC]) has been established to monitor the performance of the Project with regard to environmental, socioeconomic and health matters. The CTNSC organization will possess an assortment of managerial, supervisory, technical, administrative, and support-type personnel assigned to posts in N'Djaména and the Doba area.

The Republic of Cameroon has established a Pipeline Steering and Monitoring Committee (PSMC) under the trusteeship of SNH, the national oil company, to monitor the performance of the Project with regard to environmental, socioeconomic and health matters. The staff of this Organization will be split between a central unit and three field units located at Project work sites.

An Independent Technical Consultant (ITC) will also be responsible for providing a Project Completion certification and a variety of pre- and post-Project Completion services.

### **3.0 APPOINTMENT OF THE CONSULTANT**

An EMP Compliance Monitoring Consultant with a single point of contact will be retained to independently assess and report directly to the Lender Group and the World Bank on the Consortium's, TOTCO's and COTCO's compliance with their obligations under the EMP and the relevant Environmental Commitments in the Finance Documents and the World Bank Project Documents. The EMP Compliance Monitoring Consultant will also monitor performance on two World Bank Technical Assistance/Capacity Building (WBTA) projects:

- Chad: Petroleum Sector Management Capacity-Building Project
- Cameroon: Petroleum Environment Capacity Enhancement Project

The Lender Group and the World Bank will determine, subject to the provisions of the Finance Documents and the World Bank Project Documents and based on all available relevant information, including the Consultant's reports, whether it believes the Consortium, TOTCO and COTCO is in compliance with the Environmental Commitments in the respective agreements, whether disbursements should be made, whether project completion may be declared, etc. The World Bank, subject to the provisions of the World Bank Project Documents and based on all available relevant information and the Consultant's reports, will determine if the capacity building programs are being implemented.

Engagement of the Consultant is intended to supplement the regular supervision by WBG staff in-country and other rights that the Lender Group otherwise enjoys pursuant to the terms of their relevant agreements. It will not affect the continuation of the current practices of the World Bank Group and the Lender Group of consultations with NGOs, both local and international, universities, governmental agencies and other resources.

#### **4.0 SCOPE OF WORK – Chad Export Project**

The overall role of the EMP Compliance Monitoring Consultant is to assess and report directly to the Lender Group on the Upstream Operator's, TOTCO's and COTCO's compliance with their obligations under the EMP and the Environmental Commitments. The relevant provisions will be provided to the EMP Compliance Monitoring Consultant upon the commencement of the work.

##### **Task 1: Tasks Prior to and Including Financial Close**

- Review the EMP and (as necessary) the EA reference documents, relevant change management documentation, and the Environmental Commitments, and participate in a three-day project overview session at the Project Companies' offices in Houston to become familiar with the Project, the Oilfield Development and their environmental and social requirements.
- Review the quarterly compliance reports prepared by the Project Companies prior to Financial Closing as well as the Contractors Environmental Management Plans.
- Conduct an initial site visit<sup>1</sup> in Chad and Cameroon along with the Project Companies and representatives of the Lender Group, as appropriate. The site visit shall:
  - Fly over the pipeline right-of-way (ROW).
  - Visit Project and Oilfield Development work sites and associated infrastructure upgrades in Chad and Cameroon.
  - Visit representative ecological areas (e.g., northern savannah, Deng Deng Forest, Atlantic Littoral Forest, shoreline areas at Kribi) and representative impacted communities (e.g., the Doba Basin, the Bakola Pygmy population, etc).
  - Visit the two Environmental Offsite Enhancement areas (Campo Ma'an and Mbam Djerem).
  - Meet with representative NGO's.
  - Meet with other parties responsible for compliance monitoring and review relevant monitoring records (major EPC Contractor's SHE Quality Assurance Organization, etc).
  - Conclude with a closeout meeting between the Consultant, Project Companies' representatives and Lender Group and World Bank representatives, as appropriate. The purpose of this meeting would be to

---

<sup>1</sup> Initial site visit to count as one of the 5 site visits allowed per twelve (12) month period.

brief Project Companies' representatives on any key findings, correct any factual inaccuracies, raise any remaining issues and questions, and discuss possible corrective actions, if any is considered necessary.

- Produce a report by reference to the circumstances then existing to confirm:
  - That construction activities for the Project and the Oilfield Development are being conducted by the Project Companies in all respects in compliance with the Environmental Commitments; and
  - That the contents of the EA are those made public by the World Bank Group on 25 June, 1999 or, where such contents have been amended, that such amendments have been made in accordance with the Change Management System Procedures and other applicable Environmental Commitments.

### **Task 2: Activities During the Construction Phase of the Project**

- Prior to each site visit the Consultant is to prepare a site visit plan consisting of questionnaires, list of records required to be made available<sup>2</sup>, prioritized interview list, and prioritized field observation inspection requirements submitted to the Lender Group and the Project Companies for information and comment at least 10 days prior to conducting each field visit; provided that such plan may be modified at the Consultant's reasonable discretion, before or during the site visit, by notifying the Lender Group and the Project Companies as soon as possible regarding such a request.
- Conduct four (4) quarterly site visits per twelve (12) month period, the first such period commencing with the initial site visit just prior to Financial Closing, until Project Completion Date. A fifth site visit may be conducted during each such twelve (12) month period at the discretion of the Lender Group and at such time as the Lender Group may request. Visits to Project work sites in Chad and Cameroon include:
  - As the Consultant considers appropriate for the purposes of compiling its reports, liaise and confer with other parties responsible for environmental compliance monitoring, with the affected populations, and with NGOs.
  - At the end of each visit, a close out meeting between the Consultant, the Project Companies' representatives, and if present, a Lender Group representative. The purpose of the meeting is to brief Project Companies' representatives on any key findings, correct any factual inaccuracies, raise any remaining issues and questions, and discuss possible corrective actions, if any is considered necessary.
- Monitor progress in the establishment of the Foundation.
- Prepare an EMP compliance assessment report **after each** site visit is conducted. Each report shall assess the compliance of TOTCO, COTCO and the Consortium with their obligations under the Environmental Commitments and comment on the accuracy of the Project Companies'

---

<sup>2</sup> See Attachment 1 to this TOR.

quarterly reports on a by-exception basis and on the basis of information obtained during such site visit, and on any other factual matter of which it becomes aware, relating in each case to environmental, biophysical, socio-economic, socio-cultural, health, safety or similar issues. Drafts of the reports shall be submitted to the Lender Group and the World Bank within 5 working days of the Consultant departing from Africa and then copied to the Project Companies. The Project Companies will comment on factual inaccuracies within the report within 14 days of their receipt of the report. The report will be finalized at the direction of the Lender Group and the World Bank.

- Review and prepare a separate report on:
  - The detailed plan for monitoring the impacts of the Project on water resources and on its compliance with the elements that were agreed upon by the Lenders and the Project Companies as specified in the Environmental Commitments.
  - The updated Waste Management Plan which shall include sections 8 and 9 of the May 1999 Waste Management Plan and on its compliance with the elements that were agreed upon by the Lenders and the Project Companies as specified in the Environmental Commitments.
  - The survey report describing the results of the pre-construction surveys required to be carried out under the EMP for the offshore portion (shoreline crossing) of the Project as specified in the Environmental Commitments.

### **Task 3: Project Completion Certificate**

The EMP Compliance Monitoring Consultant will advise the Lender Group on whether a separate site visit is required prior to the issuance of the certificate, or whether the certificate can be issued on the basis of the prior visits. If a separate site visit is required, it will be considered one of the five visits allowed per twelve (12) month period described in Task 2 of this TOR. This task is to be closely coordinated with the Independent Technical Consultant (ITC), who will certify on the Project's design aspects, prior to Project Completion.

- The EMP Compliance Monitoring Consultant will:
  - Certify that the Project and the Oilfield Development have been constructed and are being developed, operated and maintained in accordance with the relevant Environmental Commitments using the attached certificate of performance form. (Shown as Attachment 2)
  - Without limitation to the general review of the Consortium, TOTCO, and COTCO, compliance with their obligations under the Environmental Commitments,

(i) review the plan for monitoring emissions and ambient air quality specified in the Environmental Commitments and report on its consistency with the monitoring principles stated in the EA and the World Bank "Pollution Prevention and Abatement Handbook 1998" (available online on the WBG's internet site) section titled "Monitoring Environmental Quality."

(ii) review the results of the physical stack emissions testing specified in the Environmental Commitments (if applicable) and report on its compliance with the applicable emission limits specified.

(iii) review the results of the ambient air quality monitoring and the updated air modeling specified in the Environmental Commitments and report on its compliance with the applicable ambient air limits specified.

#### **Task 4: Post Project Completion Services**

The scope of post-Project Completion services will be as follows:

- Conduct one (1) site visit per twelve (12) month period following Project Completion Date until full repayment of the Senior Project Indebtedness. A second visit may be conducted during each twelve (12) month period at the discretion of the Lender Group. Each visit to facility sites in Chad and Cameroon shall include:
  - As the consultant considers appropriate for the purposes of compiling its reports, liaise and confer with other parties responsible for environmental compliance monitoring, with the affected populations, and with NGOs.
  - At the end of each visit, a close out meeting between the consultant, the Project Companies representatives, and if present, a Lender Group representative. The purpose of the meetings is to brief Project Companies' representatives on any key findings, correct any factual inaccuracies, raise any remaining issues and questions, and discuss possible corrective actions, if any is considered necessary.
  - Prepare an EMP compliance assessment report anytime a visit is conducted. Each report shall assess the compliance by TOTCO, COTCO and the Consortium of their obligations under their relevant Environmental Commitments and comment on the accuracy of the Project Companies' annual reports on a by-exception basis and on the basis of information obtained during such site visit and on any other factual matter of which it becomes aware, relating in each case to environmental, biophysical, socio-economic, socio-cultural, health, safety or similar issues. Drafts of the reports will be submitted to the Lender Group and the World Bank within 5 working days of the Consultant departing from Africa and then copied to the Project Companies. The Project Companies will comment on factual inaccuracies within the report within 14 days of their receipt of the report. The report will be finalized at the direction of the Lender Group

and the World Bank.

- Without limitation to the general review of the Project Companies' performance under the Environmental Commitments,
  - (i) review the results of the physical stack emissions testing specified in the Environmental Commitments.
  - (ii) review the results of the ambient air quality monitoring and the updated air modeling that is specified in the Environmental Commitments.
  - (iii) review the results of the air assessments specified in the Environmental Commitments.

### **Task 5: Other Tasks**

In certain instances, the Lender Group may (i) request further information from the EMP Compliance Monitoring Consultant at any time concerning any report produced by the Consultant, and (ii) seek further advice from the Consultant with respect to other matters that may arise in connection with the Project or the Oilfield Development. If any requests should occur, the Consultant will be provided with a scope of work on which to base a budget. The budget must be approved by the Lender Group and Project Companies prior to proceeding with providing the requested incremental information or advice.

The World Bank shall be the sole party that may require the Consultant to monitor the compliance of the Governments with their Environmental Commitments.

## **5.0 SCOPE OF WORK – World Bank Technical Assistance (WBTA) Projects**

The overall role of the EMP Compliance Monitoring Consultant with respect to the two World Bank Technical Assistance (WBTA) projects is to assess and report directly to the World Bank on the level of compliance by the governments with the WBTA requirements. The World Bank will issue copies of the reports to the Lender Group.

### **Task 1. Tasks Prior to and Including Financial Close**

- Review and comment on the draft Implementation Manuals for each country's WBTA project. As part of the three-day overview session (referred to in Section 4.0, Task 1 of these ToR, above) become familiar with the WBTA projects and the overall project.
- Include review of WBTA projects as a separate and distinct requirement within the initial site visit, but using the same overall approach and methodology as that being used to assess and report on the Project

Companies' activities (see Section 4.0 of these ToR, above) including:

- preparation for site visit;
  - conducting site visit, including close-out meeting with government, and if available, World Bank;
  - reporting on site visit;
- Review, comment and report on the regular reports produced by each of the WBTA project agencies.
  - Establish ways and means of incorporating reviews and reporting on WBTA projects into its ongoing site visit and reporting activities.
  - Participate in the “launching workshops” for the WBTA projects in Chad and Cameroon to initiate the projects' effectiveness<sup>3</sup>.

## **Task 2: Activities During the Construction Phase of the Project**

Include review of WBTA projects as a separate and distinct requirement within the 4 quarterly and fifth discretionary site visits, but using the same overall format and approach being used to assess and report on the Project Companies' activities (see Section 4.0 of these ToR, above) including:

- preparation for site visits;
  - conducting site visits, including close-out meetings with respective governments, and if available, World Bank;
  - reporting on site visits;
  - ongoing review and comment on (including suggested revisions to) the Implementation Manuals for each country's WBTA project.
  - ongoing liaison, review and reporting with all stakeholders involved with the WBTA projects, including government agencies, potentially affected peoples, and civil society, including NGOs;
  - review, comment and report on the recommendations made and actions resulting from reports by each country's panel of experts.
- For specificity, in Chad, review and report on specific requirements (including target dates) as detailed in the Implementation Manual for Chad and monitor the government's responsibilities as described in the EMP on:
    - Doba Petroleum Management Activities:
      - Environmental management capacity and strengthening
      - Technical aspects
      - Project coordination
      - Social and Rural Development
      - Information, Education, Communication (IEC) and Management Information System (MIS)
    - Petroleum Sector Management Activities

---

<sup>3</sup> Certain elements of this program may carry over into Task 2 (Construction Phase, below).

- Environmental Regulatory Framework
  - Petroleum Exploration Promotion Activities
  - Legal and Negotiations Activities
  - Petroleum Resource Database/inventory
  - Study on sedimentary basins
- For specificity, in Cameroon, review and report on specific requirements (including target dates) as detailed in the Implementation Manual for Cameroon and monitor the government's responsibilities as described in the EMP on:
    - Strengthening the Institutional, Regulatory and Legal Framework
    - Strengthening Coordinating Capacities for Environmental Management
    - Strengthening Public Intervention Capacity for Environmental Management
    - Project Management, Monitoring and Evaluation
    - During Cameroon site visits, at appropriate times, tours of the two Environmental Offsite Enhancement areas (Campo Ma'an and Mbam Djerem)
    - Review implementation of the Indigenous Peoples Plan by the Foundation.

### **Task 3: Post Project Completion Services**

Subject to the World Bank Group's discretion to modify the following scope of work, the EMP Compliance monitoring consultant will continue to review, comment and report on WBTA project compliance throughout the lives of these projects. Activities will include those carried out during the construction phase of the project with the following changes:

- Site visit frequency reduced to one per year (scheduled) and a second per year (discretionary) as provided in Section 4.0 (above)
- Reporting frequencies reduced accordingly

### **Task 4: Other Tasks**

In certain instances, the Consultant may be requested to provide further information concerning any report produced by the Consultant and/or may be requested to provide further advice with respect to other compliance matters in connection with the WBTA projects and/or the governments' responsibilities under the EMP. If any such requests should occur, the Consultant will be provided with a scope of work on which to base the budget. The budget must be approved by the World Bank prior to proceeding with providing the requested incremental information or advice.

## **6.0 CONSULTANT FIRM REQUIREMENTS**

### **Qualifications of the Firm**

The consultant shall be an internationally recognized firm with experience in biophysical, socioeconomic, sociocultural, health and safety auditing of large hydrocarbon development projects in Sub Saharan Africa or in developing countries elsewhere in the world. Familiarity with Chad and Cameroon environmental regulations is a benefit and familiarity with the World Bank Group and USEXIM environmental guidelines, policies and auditing requirements is essential.

### **Qualifications and Appointment of Team Members**

The Consultant must propose the number of staff to be assigned to the assessment team and their areas of expertise. Areas of expertise at a minimum must cover:

- Project manager.
- Environmental Specialist
- Socioeconomic/Sociocultural Specialist
- Public Health specialist
- Ad hoc environmental specialists for specific investigation needs
- Institutional development specialist with expertise in environmental/social capacity-building

The expected minimum qualifications for each team member includes:

- Degree in the appropriate natural, physical or social service, engineering or environmental management and monitoring disciplines. An advanced degree is desirable for all positions and is required for environmental, social sciences and health related disciplines.
- A minimum of 10 years professional relevant work experience including environmental auditing, environmental regulations, and/or environmental compliance of pipelines and other large-scale construction projects. Experience should include being responsible for the completion of work, project organization and management duties. The candidate should have experience of monitoring or implementation of environmental, socioeconomic, or health impact mitigation measures. Previous experience of working with indigenous communities for the socioeconomic specialist would be a significant advantage.
- Environmentally related audit training and/or certification of competency to perform such audits.
- Fluent in English and French languages.
- Ability to prepare concise records and reports in English and French.
- Advanced skills in effective communication, including public and agency

communication.

- Proven skills in organization, management, scheduling and execution of audit programs for multidisciplinary projects involving compliance with environmental regulations.

CVs of the proposed EMP Compliance Monitoring Consultant team members and their proposed roles must be included with the proposal. COTCO, TOTCO the Lender Group and the World Bank must mutually agree to the selection of the initial EMP Compliance Monitoring Consultant team members. Any personnel replaced or added to the initial EMP Compliance Monitoring Consultant team members must be mutually agreed upon by the Lender Group, the World Bank, and COTCO and TOTCO.

### **Duration of Services**

The EMP Compliance Monitoring Consultant team will require a commitment for a duration of approximately 3 years, or until Project Completion. Extension or reduction of the term will be determined by the construction schedule and can be adjusted or terminated by mutual consent between the Lender Group and the Project Companies. The performance of the EMP Compliance Monitoring Consultant will be evaluated by the Lender Group, the World Bank and the Project Companies after the Project Completion Certificate has been issued. No guarantees are made or implied concerning the selection or utilization of the Consultant for work subsequent to Project Completion.

## **7.0 RESOURCES PROVIDED AND COSTS**

The Consultant's proposal shall include firm all-inclusive daily labor rates for each proposed team member (whose CVs shall also be provided, as noted above). A key personnel clause will be included in the contract that will govern any Consultant requests to replace any key member of the EMP Compliance Monitoring Consultant team and the costs associated with any such replacement will be for the account of the Consultant. The proposal shall also include a per diem for each team member for food and beverage during travel and specify terms for reimbursable expenses.

Costs of the Consultant will be as agreed with and for the account of TOTCO and COTCO for monitoring of TOTCO, COTCO's and the Upstream Operator's obligations covered under Section 4.0 of the ToR<sup>4</sup>. Cost of performing Section 5.0 of this TOR will be for the account of the World Bank. The EMP compliance Monitoring Consultant shall budget, track and invoice separately all activities outlined in Section 5.0, above (Scope of Work – WB Technical Assistance (WBTA) Projects) for the account of the World Bank Group

All reports required in this ToR must be produced and issued in the English

---

<sup>4</sup> An annual expenditure limit for the EMP Compliance Monitoring Consultant will be agreed between the Project Companies and the Lender Group after awarding the EMP Compliance Monitoring Consultant contract.

language. After each report is agreed upon by the Lender Group and the World Bank, it shall be translated into the French language by the Consultant.

**7.1 Proposal Requirements for Section 4.0 (Scope of Work --Chad Export Project) Tasks:**

A firm budget, including all fees and expenses<sup>5</sup>, shall be provided for completion of Task 1. The budget shall specify for each sub-task, the personnel involved and their all-inclusive daily labor rate, their billable hours, and a listing of expenses. The proposal shall specify the duration of the initial site visit to Chad and Cameroon.

A proposed budget for tasks 2 and 3 shall be provided based on the Consultant's best estimate of the level of effort required and the associated expenses (including translation expenses, if any) to complete these tasks. The budget shall specify for each sub-task, the personnel involved and their firm all-inclusive daily labor rate, the estimated billable hours, and a listing of expected expenses. Note that the Consultant shall propose the duration and person days planned for each site visit. The total for both Chad and Cameroon site visits is not to exceed 250 person days in any 12-month period. The budgets for tasks 2 and 3 are to be finalized by the Consultant at the completion of Task 1 to the satisfaction of the Lender Group and the Project Companies. The budgets will then become firm unless otherwise agreed by the Project Companies and the Lender Group.

A proposal for task 4 is not required prior to construction. The performance of the EMP Compliance Monitoring Consultant will be evaluated by the Lender Group and the Project Companies after the Project Completion Certificate has been issued. The Lender Group and the Project Companies will determine if the Consultant used for task 3 will be retained for task 4 or if the services will be re-bid.

A firm budget for activities that fall under task 5 will be required at the time of each request. The budget must be approved by the Lender Group and the Project Companies prior to commencing work.

**7.2 Proposal Requirements for Section 5.0 (Scope of Work -- WBTA Projects) Tasks:**

A firm budget, including all fees and expenses<sup>6</sup>, shall be provided for completion of Task 1. The budget shall specify for each sub-task, the personnel involved and their all-inclusive daily labor rate, their billable hours, and a listing of expenses.

A proposed budget for tasks 2 shall be provided based on the Consultant's best

---

<sup>5</sup> The contract for the EMP Compliance Monitoring consultant shall include limitations for reimbursable expenses (i.e. travel class, etc.) in accordance with the enclosed contract.

<sup>6</sup> The contract for the EMP Compliance Monitoring consultant shall include limitations for reimbursable expenses (i.e. travel class, etc.) in accordance with the enclosed contract.

estimate of the level of effort required and the associated expenses (including translation expenses, if any) to complete the task. The budget shall specify for each sub-task, the personnel involved and their firm all-inclusive daily labor rate, the estimated billable hours, and a listing of expected expenses. The Consultant shall propose the duration and person days planned for each site visit, within a limit of 60 days in any 12-month period in addition to those set forth in section 7.1. The budgets for tasks 2 are to be finalized by the Consultant at the completion of Task 1. The budgets will then become firm unless otherwise agreed by the World Bank.

A proposal for task 3 is not required prior to construction. The performance of the EMP Compliance Monitoring Consultant will be evaluated by the World Bank and the World Bank will determine if the Consultant used for task 2 will be retained for task 3 or if the services will be re-bid.

A firm budget for activities that fall under task 4 will be required at the time of each request. The budget must be approved by the World Bank prior to commencing work.

**Services Provided by the Project Companies:**

To facilitate the site visits by the Consultant, the following will be provided by the Project Companies:

- Air travel from Yaounde, Douala, or N'djamena to and between work sites in the Project Area.
- Ground transportation at work sites within the Project.
- Accommodations at work sites within the Project.

The consultant is responsible for arranging the following<sup>7</sup>:

- International air travel from point of origin to Yaounde, Douala, or N'djamena.
- Ground transportation and accommodations for site visits outside of the Project, and in Yaounde, Douala, and N'djamena.

## **8. DISCLOSURE OF REPORTS**

It is agreed that the final EMP Compliance Assessment reports produced by the EMP Compliance Monitoring Consultant may be released to the public domain by the Lender Group and/or the World Bank.

---

<sup>7</sup> The reimbursement of expenses for international airfare, ground transportation, etc. will be split between COTCO/TOTCO and the World Bank based on the amount of time spent during site visits performing activities under sections 4.0 and 5.0 of this ToR respectively.

ATTACHMENT 1  
**Information To Be Made Available To The EMP Compliance Monitoring  
Consultant**

**Information to be sent directly to the consultant by the Project Companies**

- Environmental Management Plans dated May 1999 (including any amendments/updates thereto)
- General Oil Spill Response Plan dated September 1999
- A comprehensive list of the EA reference documents and upon request, such EA reference documents
- Relevant provisions from the Environmental Commitments
- One set of 1999 Environmental Alignment Sheets
- Project Companies Quarterly EMP compliance reports

**Information to be made available at the Project Companies' work site**

- Pre-construction surveys and site assessments required to be carried out under the EMP
- Change Management log and associated documentation
- Contractors' Environmental Management Plan
- Contractor EMP compliance monitoring reports for such contractors required to prepare such monitoring reports.

**Information to be made available by the World Bank Group**

- Project Appraisal Document on a Proposed Credit ... to the Republic of Chad for a Petroleum Sector Management Capacity-Building Project, March 30, 2000
- Project Appraisal Document on a Proposed Credit ... to the Republic of Cameroon for a Petroleum Environment Capacity Enhancement Project, March 30, 2000
- Implementation Manual, World Bank Petroleum Sector Management Capacity-Building Project, Republic of Chad
- Implementation Manual, World Bank Petroleum Environment Capacity Enhancement Project, Republic of Cameroon

ATTACHMENT 2

[FORM OF CERTIFICATE BY EMP COMPLIANCE MONITORING  
CONSULTANT TO BE GIVEN AT PROJECT COMPLETION]

**CERTIFICATE**

This Certificate is being delivered by *[Insert name of EMP Compliance Monitoring Consultant]*, as the EMP Compliance Monitoring Consultant for the Chad/Cameroon Oil Transportation System in connection with the \_\_\_\_\_ Agreement dated [\_\_\_\_\_]. Capitalized terms used but not defined herein shall have the same meanings assigned to them in the \_\_\_\_\_ Agreement.

*[Insert name of EMP Compliance Monitoring Consultant]* hereby certify that we have reviewed the Chad/Cameroon Oil Transportation System and the Oil Field Development, and have performed such procedures that we have, in our reasonable judgement, deemed necessary for purposes of this Certificate. Based on such procedures, we hereby certify that, to the best of our knowledge, the Chad/Cameroon Oil Transportation System and the Oil Field Development Area have been constructed and are being developed, operated and maintained in compliance in all material respects with the EMP and the Environmental Commitments.

IN WITNESS WHEREOF, I, [title] of *[Insert name of EMP Compliance Monitoring Consultant]* have caused this Certificate to be duly executed as of the date hereof.

Dated:

[INSERT NAME OF EMP COMPLIANCE MONITORING CONSULTANT]

By: \_\_\_\_\_

Name:

Title: