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**UNDP/GEF PROJECT ENTITLED “REDUCING ENVIRONMENTAL STRESS IN THE  
YELLOW SEA LARGE MARINE ECOSYSTEM”**

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Date: 19 October 2005  
English only

**Second Meeting of the Regional Working Group  
for the Pollution Component**  
*Busan, Republic of Korea, 7 – 10 November 2005*

**Terms of Reference for  
Activities to be Implemented from 2005 to 2006**

One of the responsibilities of the Regional Working Group – Pollution is to provide technical guidance for implementation of activities under this project component. Certain activities have been identified for implementation during the first two years of the Project. The results of the activities should contribute to the Transboundary Diagnostic Analysis (TDA), and some will enhance regional capacity to manage pollution problems.

The draft terms of reference for two activities are attached below for members to review and suggest candidates for implementing the activities.

**Agenda 6.1 Regional Data and Information Synthesis**

**1. Background**

In the approved Implementation Plan of the UNDP/GEF Yellow Sea Project, “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem,” one of the agreed activities of the Pollution Component is to prepare a regional synthesis of the data and information collected from China and Korea, to input into the pollution chapter of the Transboundary Diagnostic Analysis (TDA). The regional synthesis will compile and analyse the information collected from national reports to provide a regional picture of pollution in the Yellow Sea. The format and types of data and information to collect from the countries were agreed by the members of the Regional Working Group-Pollution (RWG-P) at its first meeting (Qingdao, China, 6-9 April 2005). It was also agreed that both natural and socio-economic data and information should be collected.

**Geographic Scope:** The Yellow Sea large Marine Ecosystem is defined in the Project Document as the body of water delineated at the south, by a line connecting the north bank of the mouth of the Chang Jiang (Yangtze River) to the south side of Cheju; at the east, by a line connecting Cheju Island to Jindo Island along the coast of the Republic of Korea; and to the north, a line connecting Dalian to Penglai (on the Shandong Peninsula). This latter line separates the Bohai Sea from the Yellow Sea and as a result is not included in this study.

## 2. Description of Required Services

A consultant will be hired to carry out the main responsibility of preparing a regional synthesis report containing an assessment of the national pollution information collected from China and Korea. The report should contain:

- 1) A scientifically-sound assessment of the national pollutant data and information collected from China and Korea;
- 2) A synthesis and summary of the national data to provide a regional picture of pollutants in the Yellow Sea (illustrated through appropriate tables and graphics);
- 3) Based on the available information, and the data generated through the co-operative study cruises, determine the Yellow Sea's critical pollution spots and rank the spots;
- 4) Based on the national reports, recommend baseline contaminant levels for the region; and
- 5) Present the results in a draft write-up for the Pollution Chapter of the TDA.

### Qualifications:

The incumbent should have the following qualifications:

- At least 15 years proven track record in the area of coastal and marine pollution management and/or research.
- Strong natural science background with knowledge of marine environmental pollution management and policies.
- Familiarity with regional pollution research institutions and management agencies.
- Familiarity with working in the region.
- Good interpersonal skills, and ability to liaise with governments, relevant research institutions, and relevant data centres in the region.
- Proficiency in English.

## 3. Deliverables and Deadlines

The commissioned assignment should be carried out from January through July 2006, according to the following schedule:

<u>Task</u>	<u>Deadline</u>
Provide workplan to PMO	1 February 2006
Synthesis report	January – July 2006
Final report and financial statement	1 July 2006

## 4. Monitoring/Progress Control

The PMO will assume overall supervision and co-ordination of this task. Programmatic guidance should be sought from the Project Manager, Mr. Yihang Jiang ([yihang@yslme.org](mailto:yihang@yslme.org)), copied to Ms. Connie Chiang ([connie@yslme.org](mailto:connie@yslme.org)) at the Yellow Sea PMO. All deliverables should be submitted to Ms. Connie Chiang.

## **5. Expected Outputs/Results**

The final product should be a report following the suggested table of contents listed below.

### **SUGGESTED TABLE OF CONTENTS**

- I. Background of assignment
- II. Methods used to carry out assignment
- III. Regional synthesis of data and information
- IV. Critical spots and ranking
- V. Recommendations for baseline contaminant levels
- VI. Draft chapter for TDA
- VII. Persons / institutions visited or interviewed

Three copies of the report will be submitted to the Yellow Sea Project Management Office by 1 July 2006.

### **BREAKDOWN OF COSTS (USD)**

There may be travel costs associated with this task. Travel costs associated with the missions should be included in the fees below. Consultant will make its own travel arrangements unless otherwise agreed in advance with the PMO.

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## **Agenda 6.2 Assessing Pollution Convention Implementation**

A potential consultant from Yonsei University, Korea, has expressed interest in carrying out this task. However, members should suggest additional consultants should this person not be available.

### **1. Background**

In the approved Implementation Plan of the UNDP/GEF Yellow Sea Project, “Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem,” one of the agreed activities of the Pollution Component is to develop indicators to assess the region’s capacity and achievements in implementing relevant international conventions. This will provide a means to determine the extent to which the region contributes to marine pollution management, given its international commitments.

An initial Causal Chain and Governance Analysis was prepared for this component. The results from the commissioned activity will be used to determine the most effective conventions and areas of intervention from the policy and legal sides to address the root causes listed in the final Causal Chain and Governance Analysis.

**Geographic Scope:** The Yellow Sea large Marine Ecosystem is defined in this Project Document as the body of water delineated at the south, by a line connecting the north bank of the mouth of the Chang Jiang (Yangtze River) to the south side of Cheju ; at the east, by a line connecting Cheju Island to Jindo Island along the coast of the Republic of Korea; and to the north, a line connecting Dalian to Penglai (on the Shandong Peninsula). This latter line separates the Bohai Sea from the Yellow Sea and as a result is not included in this study.

### **2. Description of Required Services**

A consultant will be hired to carry out the main responsibility of preparing a report containing indicators and their use in assessing the region’s implementation of international conventions related to pollution. The report should contain:

- 1) a list of existing pollution-related bilateral and multilateral conventions, noting the ones to which the Project participating countries (China, Republic of Korea) are signatories, and the relevance of each convention to the Yellow Sea;
- 2) specific achievements and/or milestones of the region in implementing the conventions;
- 3) implementation gaps;
- 4) recommendations on filling the implementation gaps;
- 5) natural and socio-economic indicators that may be applied to assess the region’s implementation of conventions;
- 6) guidelines for using each indicator; and
- 7) recommendations for interventions that may be taken under each convention to address the root causes of pollution in the Yellow Sea.

#### **Qualifications:**

The incumbent should have the following qualifications:

- At least 15 years proven track record in the area of coastal and marine pollution management and/or research.
- Strong background dealing with marine environmental pollution management and

- policies.
- Knowledge of national, regional, and international pollution control conventions, laws, and agreements.
- Familiarity with working in the region.
- Good interpersonal skills, and ability to liaise with governments, relevant research institutions, and relevant data centres in the region.
- Proficiency in English.

### 3. Deliverables and Deadlines

The commissioned assignment should be carried out from January to May 2006, according to the following schedule:

<u>Task</u>	<u>Deadline</u>
Contract signature	January 2006
Provide workplan to PMO	1 February 2006
Research & report writing	January – May 2006
Final report and financial statement	1 May 2006

### 4. Monitoring/Progress Control

The PMO will assume overall supervision and co-ordination of this task. Programmatic guidance should be sought from the Project Manager, Mr. Yihang Jiang ([yihang@yslme.org](mailto:yihang@yslme.org)), copied to Ms. Connie Chiang ([connie@yslme.org](mailto:connie@yslme.org)) at the Yellow Sea PMO. All deliverables should be submitted to Ms. Connie Chiang.

### 5. Expected Outputs/Results

The final product should be a report including the topics listed under Item 2 above, and following the “suggested table of contents” below.

#### SUGGESTED TABLE OF CONTENTS

- VIII. Background of assignment
- IX. Methods used to carry out assignment
- X. Bilateral and multilateral pollution-related conventions
- XI. Specific achievements in the region
- XII. Implementation gaps and recommendations
- XIII. Indicators
  - a. Natural indicators
  - b. Socio-economic indicators
  - c. Guidelines for using indicators
- XIV. Recommendations to address the root causes of pollution
- XV. Persons / institutions visited or interviewed

Three copies of the report will be submitted to the Yellow Sea Project Management Office by 1 May 2006.

### **BREAKDOWN OF COSTS (USD)**

There may be travel costs associated with this task. Travel costs associated with the missions should be included in the fees below. Consultant will make its own travel arrangements unless otherwise agreed in advance with the PMO.

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Additional activities to be implemented before the end of 2006 are listed below. Members should consider the importance of, and provide guidance on how to implement these activities, particularly how the results of these activities will contribute to the TDA and Strategic Action Programme.

### **Agenda 6.3 Inter-calibration of Fate and Analysis of Pollutants**

Members should refer to the Pollution Component Activity List, and provide some clearer guidance for the required actions under this activity, i.e. exactly what actions need to be taken, what activities should be implemented, and general guidance for the activities to be implemented.

The PMO will then take appropriate steps to implement the recommended activities.

### **Agenda 6.4 Capacity Building**

Capacity building, through training workshops, has been identified as a necessary activity. Members should keep in mind the possibility of Democratic People's Republic of Korea joining the project in the future, and that the new members would focus their activities on capacity building. Referring to the Pollution Component Activity List again, members should come to an agreement on the training workshop(s) they would like to implement, provide some guidance on the contents for training, and prioritised the training workshops.

### **Agenda 6.5 Preparation of Pollution Component in the TDA**

The ultimate purpose of implementing the various activities is to provide information for the TDA. After discussing the activities that should be implemented during 2005 to 2006, members should consider how the results of the activities will contribute to the TDA.

The PMO will give an overview of the proposed method to carry out the governance analysis, which will be refined during the 2<sup>nd</sup> RWG-Investment Meeting (14-17 November 2005). After understanding the proposed procedure for carrying out governance analysis, members should review the preliminary causal chain analysis and governance analyses, and agree on any further actions that need to be taken to provide input for these analyses.