

STATEMENT OF WORK

Consultant to Prepare Regional Guidelines for Monitoring Changes in the Ecosystem

******Proposal submission deadline: 22 June 2006******

1. Background

Following the discussions and agreements from the UNDP/GEF Yellow Sea Project, "Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem," Regional Working Group for Ecosystem's two meetings (10-13 May 2005 and 29 Nov. – 2 Dec. 2005), one of the agreed activities of the Ecosystem Component is to prepare regional guidelines for monitoring changes in the Yellow Sea ecosystem. The guidelines will assist in proposing actions to be included in the Strategic Action Programme for the region.

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 regional guidelines for monitoring changes in ecosystem status. The report should contain:

- 1) A review and assessment of existing monitoring methods, and their pros and cons;
- 2) A list of parameters and/or indicators that may be used to monitor and detect changes in ecosystem status;
- 3) Recommendations on new ecosystem monitoring methodologies;
- 4) Recommendations on inter-calibration of sampling and analysis methodologies; and
- 5) Recommendations on managing and sharing ecosystem monitoring data.

The commissioned assignment should be carried out from 1st **July through 31st December 2006**, and is expected to require approximately 80 person-days of work.

Qualifications:

The consultant selected to carry out this task should have the following qualifications:

- At least 15 years proven track record in the area of coastal and marine ecosystem management and/or research.
- Strong natural science background with knowledge of marine ecosystem monitoring, management, and policies.
- Familiarity with ecosystem data management.
- 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. 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), copied to Ms. Connie Chiang (connie@yslme.org) at the Yellow Sea PMO.

The final report may be submitted via e-mail to the PMO. All deliverables should be submitted to Ms. Connie Chiang.

4. Expected Outputs/Results

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

SUGGESTED FINAL REPORT TABLE OF CONTENTS

- I. Background of assignment
- II. Methods used to carry out assignment
- III. Review and assessment of existing monitoring methods
- IV. Indicators to monitor changes in ecosystem status
- V. Recommendations for new ecosystem monitoring methodologies
- VI. Recommendations on sampling and analysis methodologies
- VII. Recommendations on managing and sharing ecosystem monitoring data

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.

| <u>Item</u> | <u>Unit Cost (USD)</u> | <u># of Units</u> | <u>Unit Description</u> | <u>Total Cost (USD)</u> |
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| TOTAL AMOUNT REQUESTED | | | | |
