

Request for Proposals “Trend survey on Zero-Flare and Energy Saving Technologies in Oil Field”

August 7, 2009

Development and Production Division

Survey and Technology Department

Japan Oil, Gas and Metals National Corporation (JOGMEC)

Japan Oil, Gas and Metals National Corporation – Technology Research Center (“JOGMEC-TRC”) invites proposals for a study entitled, “Zero-Flare and Energy Saving Technologies in Oil Fields” to investigate the current status of technological development for Zero-Flare and Energy Saving applied to actual operation fields and the future trend of technological development for zero-flare and energy saving technologies. Contractors who wish to apply to this request for proposals (“RFP”) shall submit proposals in accordance with the following instructions.

1. Title of Study

Trend Survey on Zero-Flare and Energy Saving Technologies in Oil Fields

2. Objective of Study

JOGMEC-TRC identified zero-flare and energy saving technologies as the key and critical technology in the development of oil/gas fields.

In general, CO₂ from the acid gas treatment process or engine is vented. Associated gas is also flared or re-injected into a reservoir. However, environmental awareness has increased over the years and alternatives to these methods are becoming necessary.

At present, CCS is identified as the most promising technology for the rapid reduction of global CO₂ emissions. JOGMEC-TRC has already conducted a study on CCS last year. Therefore this year JOGMEC-TRC would like to conduct a study entitled, “Trend Survey on Zero-Flare and Energy Saving Technologies” to investigate the current status of technological developments for zero-flare and energy saving technologies.

One of JOGMEC-TRC’s charters is to provide technical assistance and services to the Japanese E&P industry. The primary objective of this study is to provide information on technologies to reduce Green House Gases other than CCS.

3. Scope of Study

The report should take five months from the execution date of the contract to prepare and submit in final form. The details of this Study are stipulated in Appendix 1 (“Specification for “Trend Survey on Zero-Flare and Energy Saving Technologies in Oil Fields””) and the proposed contract for the Study is the document titled and hereinafter referred to as

“Agreement”.

Total Budget for the Study (lump – sum) is JPY 25,000,000 only (approximately equivalent to USD 250,000).

4. Qualification Requirements

Contractors should have the following qualifications and features:

- (1) Considerable knowledge and experience in oil and gas development;
- (2) Extensive and working knowledge of zero-flare and energy saving technologies; and
- (3) Adequate organization and personnel to satisfy the Study’s objectives and complete the Study.

5. Proposal Requirements

Contractors shall prepare proposals in accordance with this RFP and Appendix 1 (“Study Specifications”). Proposals shall include and satisfy at least the following items:

- (1) Objectives;
- (2) Detailed and concrete work scope satisfying Appendix 1 (“Study Specifications”), and any additional points/scope, if any;
- (3) Timetables for the Study;
- (4) Implementation structure (who will carry out the Study);
- (5) Methodology (approach and investigation methods);
- (6) Interview content and candidate companies to be contacted;
- (7) Candidates for case studies;
- (8) Final materials/deliverables;
- (9) Itemized clear quotation including unit costs, breakdown for each piece of work and total cost;
- (10) Outline/background of the Contractor’s company;
- (11) Records of previous investigations/work related to the Study;
- (12) Records of previous investigation/work contracted by JOGMEC/JNOC;
- (13) Curricula vitae of personnel to be involved in the Study; and

Proposals shall be submitted in Microsoft Word or PDF format, and JOGMEC-TRC will use the above items solely for the purpose of the Contractor’s selection process for this Study.

6. Submission of Proposals

- (1) This is an electronic-only submission process. Therefore, Contractors shall submit their proposals by e-mail and by the Deadline (see sub-paragraph (2) below) to the Contact Person (see sub-paragraph (3) below). Proposals shall be sent in one electronic file or in a zipped electronic file and copied to the person detailed at sub-paragraph (3) below. Any proposals submitted other than by e-mail shall not be accepted or reviewed.

(2) The Deadline shall be 12:00 p.m. on August 28, 2009 (Japan Standard Time).

(3) Contact Person:

Mr. Takahashi Yasuo
HSE Audit Team
Survey and Technology Department
Oil & Gas Upstream Technology Unit

1-2-2 Hamada, Mihama-ku, Chiba, 261-0025 JAPAN

E-mail: takahashi-yasuo@jogmec.go.jp

FAX: +81-43-276-9258

URL: <http://www.jogmec.go.jp/>

7. Evaluation of Proposals

(1) Evaluation Criteria

The qualified proposals submitted in response to this RFP by the deadline shall be evaluated with a focus on the following criteria:

1. Consistency with the objectives and Specifications of the Study;
2. Concreteness and superiority of proposal;
3. Adequacy of work plan and work implementation structure;
4. Track record and experience in the petroleum industry;
5. Experiences and qualifications of staffs assigned to the Study; and
6. Cost performance.

(2) Result of Evaluation

Contractors shall be notified of the result of the evaluation by e-mail after completion of the evaluation. JOGMEC-TRC shall not be liable for any costs or expenses incurred by Contractors in the process of preparation and/or evaluation of proposals.

8. Inquiries

All questions regarding this RFP shall be directed to the Contact Person by e-mail by **5:00 p.m. on August 27, 2009** (Japan Standard Time). Contractors are kindly requested to understand that no inquiries about the evaluation process shall be accepted.

Appendix 1: "Study Specifications" – Trend Survey on Sand Management

Appendix 2: Example form for proposals

End of "Request for Proposals"