**Request for Proposal**

**Preliminary Environmental Impact Assessment (EIA) Report For The Proposed Bintulu Samalaju Combined Cycle Power Plant Project, Bintulu Division, Sarawak**

**Sarawak Energy Ref. No.: EIA 01/16**

1. **Sarawak Energy Berhad** ("Sarawak Energy") invites you to submit a proposal for the provision of the following services, in accordance with the matters set out in this letter and the attached Appendices:

<table>
<thead>
<tr>
<th>Description of the services:</th>
<th>Preliminary Environmental Impact Assessment (EIA) Report For The Proposed Bintulu Samalaju Combined Cycle Power Plant Project, Bintulu Division, Sarawak, as further described in Appendix 1 to this letter</th>
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<tbody>
<tr>
<td>Terms and conditions:</td>
<td>The document entitled &quot;Framework Agreement for the Provision of Consultancy Services&quot;, as set out in Appendix 2 to this letter</td>
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<td>Pricing method:</td>
<td>Rates Based</td>
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<td>Closing date and time:</td>
<td>By 17th February 2016, 3.00 pm</td>
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</table>
| Name and contact details of Sarawak Energy’s representative: | Julaidi Rasidi  
Senior Executive II  
EIA Division, Corporate Shared Services  
Level 3, Menara Sarawak Energy  
No. 1, The Isthmus  
93050 Kuching, Sarawak  
Tel: +6 082-388388  
Fax: +6 082-484522  
Email: JulaidiRasidi@sarawakenergy.com.my |

2. This request for proposal is comprised of the following documents:

(a) this letter;

(b) Appendix 1 – Scope of Services / Specifications;

(c) Appendix 2 – Form of Contract;
3. Within seven (7) days of receipt of the RFP Documents, each proponent shall execute an acknowledgement of receipt, in the form set out in Appendix 5, and return a soft copy (scanned, PDF version) of this document to Sarawak Energy's representative.

4. Each proponent shall subsequently arrange for the original executed version of the acknowledgement of receipt to be delivered, by hand, to Sarawak Energy's representative.

5. A soft copy (uneditable PDF version) of the RFP Documents may be distributed by Sarawak Energy's representative upon request.

6. Your proposal is required to be submitted in accordance with the form set out in Appendix 3, supported by completed versions of each of the annexures set out in Appendix 4, in one (1) sealed envelope marked "Confidential" with title, reference number and closing date. Submissions shall be made by hand or by courier to Sarawak Energy at the following address:

   The Officer-in-Charge
   Request for Proposal of Preliminary Environmental Impact Assessment (EIA) Report For The Proposed Bintulu Samalaju Combined Cycle Power Plant Project, Bintulu Division, Sarawak
   8th Floor, Menara Sarawak Energy
   No.1, The Isthmus
   93050 Kuching
   Sarawak, MALAYSIA

7. In addition to its proposal, proponent may include any alternative proposal by submitting a separate set of completed RFP Documents (including a cover letter, describing the reasons for proposing the alternative proposal and the advantages and/or disadvantages to Sarawak Energy). The set of completed RFP Documents shall be submitted in a separate envelope, marked as "Alternative Proposal".

8. The price as stated in the Form of Proposal shall prevail, notwithstanding any discrepancy or arithmetical error in any other parts of the proposal. In case of any discrepancy between amounts stated in words and figures, the amount in words will prevail.

9. Proponents shall note that Sarawak Energy may, in its sole discretion, elect to:
   (a) appoint more than one proponent to provide the services;
   (b) not appoint any proponent to provide the services; or
   (c) cancel this request for proposal process at any time,
without any obligation (including any obligation to inform affected proponents of the grounds, justification or reason for such action), without incurring any liability to any proponents and at any and all times during this request for proposal process.

10. In seeking to identify a:

(a) suitable proponent to provide the services; and
(b) proposal which represents the best value to Sarawak Energy,

and in carrying out its evaluation of proposals, Sarawak Energy may take into account the following:

(c) the corporate / business information of the proponent, including any registration and financial details;
(d) the qualifications and relevant experience of the proponent and its personnel;
(e) the proponent’s proposed methodology for the provision of the services; and
(f) any proposed variations or changes to the Form of Contract set out in Appendix 2.

11. At any time within ninety (90) days following the date and time for submission of proposals, Sarawak Energy may notify the successful proponent that their proposal has been accepted and proceed to issue a letter of award to that proponent.

12. Where a letter of award has been issued by Sarawak Energy in accordance with paragraph 11:

(a) the successful proponent shall execute an acknowledgment of the letter of award and return a soft copy (scanned, PDF version) of this document to Sarawak Energy's representative within seven (7) days of its receipt of the letter of award; and
(b) until such time as a formal contract is prepared and executed, the letter of award shall constitute a binding contract between Sarawak Energy and the proponent in connection with the provision of the services, on the terms and conditions set out in the letter of award.

13. Any failure by the successful proponent to sign and return the acknowledgement of the letter of award within the timeframe set out in paragraph 12(a) may, in Sarawak Energy’s absolute discretion, render the letter of award null and void and of no legal effect.

14. All information contained in the RFP Documents is strictly confidential and shall not be disclosed to any third party without the prior written consent of Sarawak Energy.

15. In submitting a proposal, each proponent:

(a) shall be deemed to provide explicit consent to Sarawak Energy to process any of the proponent’s personal data for the purposes of, or related to, the request for proposal;
(b) warrants that any personal data received from Sarawak Energy shall be processed; and
(c) warrants that all personal data submitted by the proponent to Sarawak Energy has been obtained,

in accordance with the requirements of the Personal Data Protection Act 2010.

16. Any proponent requiring clarification of any matter set out in the RFP Documents shall notify Sarawak Energy's representative in writing not later than the date falling seven (7) days prior to the closing date and time for submission. Sarawak Energy may, but is under no obligation to, respond to any request for clarification which it receives (and any such response shall be provided for information purposes only).

17. Sarawak Energy requires that all proponents observe the highest standard of ethical practices throughout this request for proposal process and Sarawak Energy may, at any time, reject a proponent's proposal and / or disqualify a proponent from this request for proposal process if it determines that a proponent has, directly or indirectly (including through an agent), engaged in corrupt practices, fraudulent practices, coercive practices, collusive practices or any other prohibited or illegal activities.

18. Each proponent shall bear its own costs of participating in this request for proposal process, including costs incurred in the preparation of its proposal and any related presentations or meetings with Sarawak Energy.

19. Notwithstanding any other provision of the RFP Documents to the contrary, Sarawak Energy (and its officers, directors, employees and agents) shall not, under any circumstances, whether as a result of breach of contract, indemnity, tort (including negligence), strict liability or otherwise, be liable to any proponent for any loss of profit, loss of revenues, loss of use of equipment, loss of chance or opportunity, loss of contract, cost of capital or for any indirect or consequential loss or damage which may be suffered by the proponent, as a result of or in connection with this request for proposal process.

20. The RFP Documents shall be governed by the laws of Malaysia, as applied in the State of Sarawak and all parties shall irrevocably submit to the non-exclusive jurisdiction of the courts of Sarawak for the resolution of any disputes arising out of or in connection with the RFP Documents or this request for proposal process.

21. Sarawak Energy looks forward to receiving your proposal.

Yours faithfully,

Haji Johari Atok
Senior Manager, EIA Division
Corporate Shared Services
Sarawak Energy Berhad
APPENDIX 1 – SCOPE OF SERVICES / SPECIFICATIONS

1.1 Project Brief

Introduction

In view of the current development plans by Sarawak Energy Berhad, and also the rapid development of energy-intensive industries under Sarawak Corridor of Renewal Energy (SCORE), it is necessary to build additional power plants to meet the eventual power demand and to enhance the reliability and power supply security in the State of Sarawak in Malaysia, and in particular the SCORE Industrial Park at Samalaju. SEB is planning to develop and install at Samalaju, Bintulu three blocks of gas turbine combined-cycle power plant, each block with a capacity of approximately 400MW.

Plant Location – Samalaju, Bintulu

The proposed plant location (Fig. 2) is situated within Samalaju Industrial Park next to the proposed new Bintulu Port, close to the South China Sea and situated approximately 50km from the Bintulu town (refer Fig. 1 and Fig. 2). The natural gas fuel shall be supplied by Petronas and at this stage, it is assumed that Petronas will bring the gas through a pipeline right up to the power plant boundary.

![Locality Plan of Proposed Plant at Samalaju, Bintulu](image-url)
Project Schedule – Samalaju, Bintulu

Units of Plant : 3 x Blocks Combined-Cycle Power Plant
(Each Block at approximately 400MW, comprising 1 x Gas
Turbine and 1 x Steam Turbine)

Total Gross Capacity Output : Approximately 1,200MW

Project Execution Period : 36 months for each Combined-cycle Block
(Notice to Proceed to Commercial Operation Date)

Target COD – Block 1 : 3rd Quarter 2020
Target COD – Block 2 : 1st Quarter 2021
Target COD – Block 3 : 1st Quarter 2022

Life of the plant : 25 years

(Please refer to Fig.3 for the Proposed Samalaju CCGT Project Timeline)
Proposed Samalaju Combined-Cycle Power Plant Project (3 x 400MW Block) Timeline

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Fig. 3 – Proposed Samalaju CCGT Project Timeline

**Plant Concept**

The basic concept for this proposed project features a new power plant comprising of gas turbines as core units and their associated auxiliary plants and systems including:

- HRSG and Auxiliaries
- Steam Turbine and Auxiliaries
- Generator and Auxiliaries
- Circulating Water System
- Civil Structural and Architectural Works
- Electrical Works
- Control and Instrumentation System
- Other Auxiliary Systems

**Gas Fuel Resource**

The proposed plant shall be utilizing natural gas as fuel resource. The daily gas consumption is estimated to be 150mmscfd (or 160,050mmBtu).

**1.2 Scope of Services**

The scope of services is generally described in Clause 1.2.1

**1.2.1 Preliminary Environmental Impact Assessment (EIA) Report**

The preparation and submission of EIA Report (by EIA Consultants with DOE valid registration) for approval by DOE must at least consists of the following scopes;

a) Introduction
   i. Project Title
   ii. Background
   iii. Statement of Need
   iv. Objectives of the EIA
   v. Main legislative Requirement
   vi. Project Proponent and EIA Consultant
b) Project Description
   i. Introduction
   ii. Project Location
   iii. Project Concept
   iv. Project Component
   v. Project Activities
   vi. Project Requirement
   vii. Project Management

c) Project Option
   i. Introduction
   ii. Site Options
   iii. Technology Options
   iv. Outfall Options
   v. No Project Option

d) Existing Environment
   i. Introduction
   ii. Physical Environment
   iii. Meteorology
   iv. Hydrology and Drainage
   v. Oceanography
   vi. Baseline Water Quality
   vii. Baseline Ambient Air Quality
   viii. Baseline Noise Level
   ix. Biological Environment
   x. Socioeconomic and Population Characteristics
   xi. Land Use
   xii. Infrastructure and Facilities
   xiii. Existing Public and Environmental Health Status

e) Environmental Impacts and Mitigation Measures
   i. Introduction
   ii. Key Environmental Impacts
   iii. Coastal Hydraulic including Coastal Hydraulic Study & Modelling
   iv. Air Quality Impact including Air Dispersion Modelling
   v. Noise Impact
   vi. Water Quality Impact
   vii. Erosion and Sediment Control Plan (ESCP)
   viii. Waste Management
   ix. Impacts on Marine Ecology
   x. Traffic and Transportation Impact
   xi. Quantitative Risk Assessment
   xii. Socio-Economic Impacts
   xiii. Health Impact Assessment (HIA)
   xiv. Occupational Safety and Health
   xv. Project Abandonment
f) Residual Impacts and Monitoring Programs
   i. General
   ii. Identification of Residual Impacts
   iii. Environmental Monitoring Programmes
   iv. Framework Environmental Management Plan
   v. Emergency Response Plan

g) Conclusion

1.2.2 The preparation and submission of EIA Report must also following the requirements of EIA Guidelines for Thermal Power Generation and/or Transmission Projects (EG 2/95) published by DOE.

1.2.3 The estimated time frame for the EIA study is six (6) months from the date of award letter.