**Request for Information #11-2022**

**Downhole Electrical Temperature Array (ETA) Reservoir Monitoring**

**Equipment and Services**

Distributed on: **May 12, 2022**

Response Requested by: **May 27, 2022**

**Esso Exploration and Production Guyana Limited (EEPGL)**

**1. Objective**

This Request for Information (RFI) seeks detailed commercial and technical information from suppliers for meeting EEPGL's bid selection requirements for Downhole **Electrical Temperature Array (ETA) Reservoir Monitoring Equipment and Services** in Georgetown, Guyana.

This RFI has several objectives:

First, we may use responses from you and the other participants to validate and further develop our team’s recommendations for inclusion in the Request for Proposal (RFP) for **Downhole ETA Reservoir Monitoring Equipment and Services** in Georgetown, Guyana. The RFI process allows us to seek your input and develop a list of qualified bidders before structured bid rules take effect.

Second, the RFI process provides you an opportunity to begin developing your responses to some of the potential requirements if you are selected for the RFP.

Finally, EEPGL in its sole discretion, may divide the services described in this RFI and in a future RFP (Request for Proposal) into several enabling agreements that may be awarded to more than one bidder.

Please be aware that this RFI does not imply any commitment at this stage from EEPGL to acquire goods or services from any supplier. All expenses or costs incurred by or for your firm as a result of your participation in the RFI and any subsequent RFP process shall be at your sole cost and expense. Your participation in the RFI process does not guarantee an invitation to participate in an RFP process.

**2. Background**

**General**

Esso Exploration and Production Guyana Limited (EEPGL) plans to put in place an equipment and services agreement for provision of **Downhole ETA Reservoir Monitoring Equipment and Services** within the Georgetown area.

The scope of this Request for Information (RFI) is to identify suppliers who can provide **Downhole ETA Reservoir Monitoring Equipment and Services** to EEPGL as follows:

* Manufacture and supply Downhole ETA and associated equipment meeting the below general specifications (more detailed requirements will be provided in the planned RFP):
  + Temperature Array which can be deployed in a subsea openhole standalone screen completion.
    - Include established IWIS compliant subsea interface card to allow power and communication from a Subsea Control Module (SCM) to the downhole ETA through either a single or twisted pair electrical cable (single ¼” control line).
    - IWIS card must be fully compatible with current Guyana TFMC SCM design.
    - Overall power supply for downhole system must be within a max 50W power supply assuming a total of 3 x temperature arrays (with 60 x sensors each) and a total depth of 8,000m.
  + Temperature Array must have the following characteristics:
    - Each array to consist of two quartz pressure gauges:
      * 20,000-psi minimum absolute pressure rating;
      * 275-degF minimum temperature rating;
      * H2S/CO2 service rated.
    - Each array to consist of a number of discrete temperature sensors:
      * Ability to run 30+ sensors in a single array;
      * High resolution (< 0.003-degC) / high accuracy (< 0.1-degC) temperature sensors to allow for highly accurate flow modeling;
      * 275-degF minimum temperature rating;
      * < 0.75” OD;
      * H2S/CO2 service rated.
  + Lower Completion Packer:
    - A downhole packer assembly to run the lower completion on which includes a means of connecting the electrical system in the lower completion to the upper completion (electrical wet-mate or other connection design);
    - Compliant with API 11D1 / API Monogramed:
      * V0 Rated;
    - Packer suitable for 9-5/8” 53.50-ppf casing (8.5” special drift);
    - 8.3” max running OD;
    - 6.0” minimum ID;
    - 10,000-psi minimum differential pressure rating;
    - 275-degF minimum temperature rating;
    - H2S/CO2 service rated;
    - Suitable for running in a NAF (non-aqueous fluid) drill-in fluid (solids laden) with established track record.
  + Downhole electrical wet-mate connection:
    - Downhole electrical connection between the upper and lower completion;
    - Transmits power and high-rate data between the upper and lower completion;
    - Suitable for running in a NAF (non-aqueous fluid) drill-in fluid with established track record;
    - 10,000-psi minimum differential pressure rating;
    - 275-degF minimum temperature rating;
    - H2S/CO2 service rated;
    - High tolerance for debris validated through testing and field application.
  + Multiport Production Packer:
    - Compliant with API 11D1 / API Monogramed:
      * V0 Rated;
    - Packer suitable for 9-5/8” 53.50-ppf casing (8.5” special drift);
    - 8.3” max running OD;
    - 4.0” minimum ID;
    - 10,000-psi minimum differential pressure rating;
    - 275-degF minimum temperature rating;
    - H2S/CO2 service rated;
    - Hydraulic or hydrostatic set;
    - Cut-to-Release Design;
    - Suitable for running in a 10,500-psi hydrostatic condition without setting.
  + Telescopic Spaceout Joint with Control Line Bypass:
    - Compliant with API 19AC;
    - Able to accommodate necessary control line(s) for temperature array system;
    - Either sealing or non-sealing based on hydraulic or hydrostatic setting design for above Production Packer;
    - H2S/CO2 service rated.
  + Tubing Encapsulated Conductor (TEC) control line:
    - 1/4” OD encapsulated control line;
    - Alloy 825 tubing material / Santoprene Encapsulation.
* All manufacturing must be completed in facility with an established API Specification Q1 quality management system (Latest Edition).

**3. Local Content Requirements**

3.1 EEPGL’s local content strategy is important to our business. Its elements are integrated into our daily processes and procedures, and guide the way we work today and plan for tomorrow.

3.2 Using a multi-tiered approach, EEPGL focuses on building workforce and supplier capabilities in conjunction with strategic investments in the local community.

3.3 During the bid process, all prospective EEPGL contractors are required to demonstrate awareness of the Local Content Act (2021) and its potential application to their work under the scope.

3.4 Bidders are expected to include in their submission a preliminary local content strategy outlining how they will deliver on the local content expectations outlined below and those captured in the Act, and, upon award, implement an acceptable plan. Should the successful bidder be required to submit local content plans to the Government of Guyana under the Local Content Act (2021) they will also provide a copy of those plans to EEPGL.

3.4 The following requirements apply to orders that will be performed, or with exercise of contractor’s best efforts could be performed, wholly or in any part in Guyana (including without limitation the Guyana Exclusive Economic Zone) or with utilization of any Guyanese subcontractor, vendor, or similar Guyanese content.

3.5 The below requirements specific to EEGPL contractors are in addition to the Local Content Act (2021) issued by the Government of the Cooperative Republic of Guyana; in the event of a conflict between these requirements and those of the Government of Guyana explicit instruction must be sought by EEPGL.

**REQUIRED ACTIVITIES**:

A. Contractor Procurement Activities:

To support EEPGL’s objectives of giving preference to qualified local suppliers from Guyana, a contractor shall:

* + - * 1. Give fair and adequate opportunity and first consideration to the following:

The purchase of Guyanese goods and materials, provided such goods and materials are available on a timely basis of the quality and in the quantity required by the contractor at competitive prices.

Utilization of Guyanese contractors insofar as they are commercially competitive and satisfy the contractor's financial and technical requirements and meet the requirements of this section.

* + - * 1. Establish appropriate tender procedures for the acquisition of goods, materials, and services, which shall ensure that Guyanese contractors are given fair and adequate opportunity to compete for the supply of goods and services.
        2. Establish procedures to provide the contractor’s Guyanese subcontractors feedback following contracting activities.
        3. Ensure that the contractor’s subcontractors comply with the requirements contained in this section.
        4. Steward the contractor’s, and its sub-contractors’, local content development progress in accordance with these requirements and the contractor's local content plan.

B. Contractor’s Employment Opportunities

To support EEPGL’s objectives of giving preference to qualified local personnel and suppliers from Guyana, a contractor shall:

* + - * 1. Prepare and implement a program to give fair and adequate opportunity and first consideration for employment of Guyanese nationals having appropriate qualifications and necessary experience to perform job responsibilities commensurate with the contractor’s scope of work.
        2. Ensure that the contractor’s subcontractors comply with the requirements contained in this Section.
        3. Steward the contractor’s and its sub-contractors’ local content development progress in accordance with this guidance and the contractor's local content plan.

C. Contractor’s Use of External Resources:

1. Centre for Local Business Development

a. To facilitate transparent local hiring and contracting, a contractor is encouraged to consider using the following capabilities provided by the Centre for Local Business Development (CLBD):

Advertising upcoming vacancies and tenders with potential local content.

Publishing Vacancies/Expression of Interest/Tenders in the public domain for approximately two weeks via the Centre for Local Business Development Supplier Registration Portal (SRP) and CLBD Facebook/Website.

Utilize SRP to augment any bid lists with Guyanese contractors that meet requirements.

Plan communications for announcements of tender award/hiring/training as appropriate.

Provide opportunities for feedback following Expression of Interests/Request for Information (RFI) and bids to Guyanese vendors.

1. A contractor should also consider engaging, and actively collaborating with, the Centre for Local Business Development.

(i) The Centre’s role is to facilitate communication between suppliers, contractors and subcontractors, with a goal to build the capacity of Guyanese small and medium enterprises. The Centre will maintain a Supplier Registration Portal and is able to provide a mechanism for advertising opportunities for Guyanese goods and services, for a contractor’s use.

(ii) EEPGL does not endorse or recommend any supplier listed on the Portal. As such, a contractor should perform appropriate due diligence on any supplier prior to use. The Centre is located in Georgetown at 253-254 South Road, Bourda on the top floor of the IPED Building. The website is: [www.centreguyana.com](http://www.centreguyana.com)

2. Online & Social Media – Publishing Vacancies/Expression of Interest/Tenders in the public domain for approximately two weeks via relevant online and social media sites (EEPGL, Local Content Secretariat, contractor, and newspapers).

D. Contractor’s Local Content Metrics Reporting

* + - 1. A contractor shall provide local content reporting metrics using an EEPGL-provided template. The template may be updated by EEPGL at any time.
      2. Metric reporting requests will be sent at least twice annually to the contractor. EEPGL reserves the right to change the frequency of metric requests to the contractor.
      3. Should the contractor be required to submit metrics to the Government of Guyana under the Local Content Act (2021) they will provide a copy of those reports to EEPGL.

**4. RFI Instructions**

Please **complete Section 7 - Questionnaire**, elaborating on each item as appropriate and keeping the following in mind:

* Please use the attached spreadsheet for your response using the drop down options if applicable.
* Please answer the questions as completely as possible and advise if you cannot answer a particular question.
* Please note the word limit for each section. Submitters should not exceed the word limit.
* Please submit your response in **electronic** form using any of the following electronic formats: Microsoft Word, Microsoft Excel, Adobe PDF, etc.
* Your e-mailed responses should be limited to a reasonable size (<5MB). If the response is >5MB, then multiple submissions <5MB are acceptable.
* **Please do not submit pricing or price proposal information at this stage.**
* Your submittal should not include information which you consider proprietary, trade secrets or confidential.
* **There will be no clarification meetings for this RFI. Please submit all questions to email address:** [**EM.Guyana.Procurement@exxonmobil.com**](mailto:EM.Guyana.Procurement@exxonmobil.com)

**5. Due Date Schedule - Key Dates in the RFI Process**

May 12, 2022 RFI to be issued through the Center for Local Business Development

May 27, 2022 Deadline for supplier to submit completed RFI

June, 2022 Evaluation of RFI responses

July 2022 Potential Commencement of RFP invitations

**6. Submission of RFI with all complete documents**

**All documents required to be submitted are due no later than 5:00 PM, May 27, 2022. No extensions will be granted.**

Contact for Questions please email: [EM.Guyana.Procurement@exxonmobil.com](mailto:EM.Guyana.Procurement@exxonmobil.com)

**How to Submit:**

1. Complete Required Documents and include in an email:

1. Completed Questionnaire (Word document and Excel);
2. Completed PBAQ;
3. Copy of the company’s Articles of Incorporation (including the page with the Directors/Management and details of nationality);
4. Copy of the company’s Certificate of Registration (company TIN) from the Guyana Revenue Authority;
5. Copy of company’s organizational chart with details on nationality of all personnel’s.

2. Send Email with the following title format:

Your Company Name – RFI #11-2022 Downhole **Electrical Temperature Array Reservoir Monitoring Equipment and Services** – Final RFI Submission

3. Send email to: [EM.Guyana.Procurement@exxonmobil.com](mailto:EM.Guyana.Procurement@exxonmobil.com)

4. Kindly note it’s not a requirement to register at the CLBD in order to respond to any of our RFI’s as this request is open to all interested companies.

**7. Questionnaire**

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| --- | --- | --- | --- | --- |
| **GENERAL INFORMATION – PART 1** | | | | |
| **1. Company Name:** |  | | | |
| **2. Company Mailing Address:** |  | | | |
| **3. Telephone Number:** |  | | | |
| **4. Number of Employees:** |  | | | |
| **5. Company Contact Name:** |  | | | |
| **6. Email Address:** |  | | | |
| **7. Website Address:** |  | | | |
| **8. Form of Business** | **Corporation** | **Partnership** | **Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **9. How many years has your company been in business under your present firm name?** | | | | |
| **10. Do you operate in this country via an owned/affiliate legal entity? Yes (Y) or No (N)?**  **Is your company registered to work in Guyana? Yes (Y) or No (N)** | | | | |
| **11. Can your company provide the Scope of work outline in section 2 of this RFI?**  **If yes, please provide most relevant past/current projects, including details on the scope of work and status of the project. Please limit to 500 words.** | | | | **Yes**  **No** |
| **12. Please inform how long your company has been providing the scope of work outline in section 2 of this RFI for similar projects in Guyana. Describe the number of employees and organization to support Guyana Operations. Please limit to 500 words.** | | | | |
| **13. Would your company be sub-contracting any equipment and services for this scope of work?** | | | | **Yes**  **No** |
| **14. Please provide a sample Proforma/Ticket (no prices) for the provision of outlined in Section 2.** | | | | |
| **15. Are there any judgments, claims, or suits pending or outstanding against your company > $1M USD. (If yes, attach details.)?** | | | | **Yes**  **No** |
| **SERVICE OFFERING / CAPABILITY – PART 2** | | | | |
| * 1. **Please provide the list of your relevant clients in Guyana. Please limit to Top 5 clients.**  |  |  |  | | --- | --- | --- | | **Client Name** | **Industry Type** | **Length of Contract (years)** | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | | | | |
| **OPERATIONAL CAPABILITY & MANAGEMENT - PART 3** | | | | |
| **3.1. Describe the resources your company has to meet the scope of work outlined in the background section of this document. Please outline which resources are readily available and confirm your company's capability to undertake the work. Please limit to 500 words.** | | | | |
| **3.2. If applicable, describe how your company stays up to date on legislation, codes, guidelines and standards relevant to your industry and work activities. Please limit to 250 words.** | | | | |
| **3.3. Please provide any comments on your company’s understanding of your experience and capability. Please avoid any comments which could be considered proprietary in nature. Please limit to 500 words.** | | | | |