



## **EXPRESSION OF INTEREST FOR GEOTECHNICAL & GEOHAZARD (G&G) ENGINEERING SUPPORT SERVICES**

**Eni Rovuma Basin B.V., Mozambique Branch** – Delegated Operator for the Area 4 Upstream Operations including Coral South Project, acting for and on behalf of Mozambique Rovuma Venture, invites interested companies to submit expressions of interest for the provision of Geotechnical & Geohazard (G&G) Engineering Support Services for Rovuma LNG Phase 1 Upstream Development.

### **SCOPE OF WORK**

The Operator's activities are located in the north of Mozambique both onshore and offshore. The main areas of interest (but not limited to) will be Pemba, Palma District and the offshore Area 4 in the Rovuma Basin located approximately 200 km northeast of Pemba City and 50 km from the coastline.

The main operations to be performed by the Operator in the north of Mozambique will be the offshore drilling and completion of wells, the installation of subsea infrastructures, the construction of onshore and nearshore civil and industrial infrastructures, logistic operations and supporting activities.

The Scope of Work for Upstream Geotechnical & Geohazard (G&G) includes highly specialized G&G engineering support using state-of-art methods and best-in-class practices. This requirement is to ensure that the Operator can call-on this support during the Rovuma LNG Phase 1 design execution phase. This includes delivery of G&G engineering support service that assists the Operator in the Geohazard related activities (e.g. trenching, slope stability risk, turbidite interaction) associated to the EPCI Contractor's design solutions. Delivery includes design assurance in terms of feasibility and robustness, and provides high quality engineering using world-renowned subject matter experts. The objective is to reduce the Geohazard related risks to Operator's tolerable risk level, using mitigation if required.

## **DOCUMENTATIONS REQUIRED**

Companies interested in this invitation may submit their *Expression of Interest* by providing, through the website indicate below, the following required documentation:

1. G&G engineering support service experience in the following areas:
  - a. Trenching in Carbonates: Expert trench planning and equipment suitability support using Operator survey data (e.g. refraction and borehole data);
  - b. Slope Stability Risk: Short-term and long-term carbonate shelf-break stability assessment considering variability of the carbonate-based materials in a seismic environment;
  - c. Debris Impact: Rock/Debris impact analyses of pipelines from slope-debris at the shelf-break and canyon-crossings;
  - d. Turbidity Currents: Turbidity currents pipeline-interaction modelling and mitigation with state-of-art knowledge and proven project experience;
  - e. Pipe-Soil Interaction: Probabilistic pipe-soil-interaction analyses to reduce uncertainties in predictions of axial and lateral friction-factors and mitigations;
  - f. Pipeline Embedment: Long-term operational pipeline embedment predictions;
  - g. Metocean Support: Specialist metocean analysis, applying COMPANY acquired data for short term and long-term design loadings.
2. Experience with Ground Model development (in GIS environment) and Geohazard Quantitative Risk Assessment (QRA) based work;
3. Experience working alongside EPCI-contractors/Operators to deliver best-in-class solutions by providing support, as necessary, and in a timely manner;
4. Last three years of financial statements including: Balance Sheets, Profit and Loss and Cash Flow statement;
5. Participating Company and group structure with the list of major shareholders and ultimate beneficiaries (if not listed in the stock exchange);
6. Scanned certified copy of the trade register, legal entity name and contact person for receiving qualification and commercial information; and

7. Any other information that will establish that the company is capable of fulfilling the scope of work.

Companies interested in this invitation may submit their Expression of Interest by registering to the following website (Mozambique Application):

[https://esupplier.eni.com/PFU\\_en\\_US/autocandidaturaEniRovumaBasin.page](https://esupplier.eni.com/PFU_en_US/autocandidaturaEniRovumaBasin.page)

**IMPORTANT:**

The submission must refer to the Public Announcement both object and dates and also to the following commodity code:

**SS02BA04 - GEOPHYSICAL STUDIES AND INTERPRETATIONS**

Within the website application, under the section "Object of the Application", the area "Origin of invitation" shall be completed as follows: **"Geotechnical & Geohazard (G&G) Engineering Support Services"**

Subject to the delivery and compliance of all the above documentation, Companies may receive from Eni Rovuma Basin BV the Qualification Package.

The deadline for receipt of *Expression of Interest* by the email address indicated above is set at **23 November 2018**.

Any cost incurred by interested companies in preparing the Expression of Interest shall be fully borne by Companies who shall have no recourse to either Mozambique Rovuma Venture or to Eni Rovuma Basin BV Mozambique Branch in this respect.