



# **JOINT PROJECT TEAM**

## **STRUCTURE A & E DEVELOPMENT PROJECT NC41 BLOCK LIBYAN OFFSHORE**

### **SCOPE OF WORK**

# **PROVISION OF ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR DRILLING CAMPAIGN FOR A & E STRUCTURE**

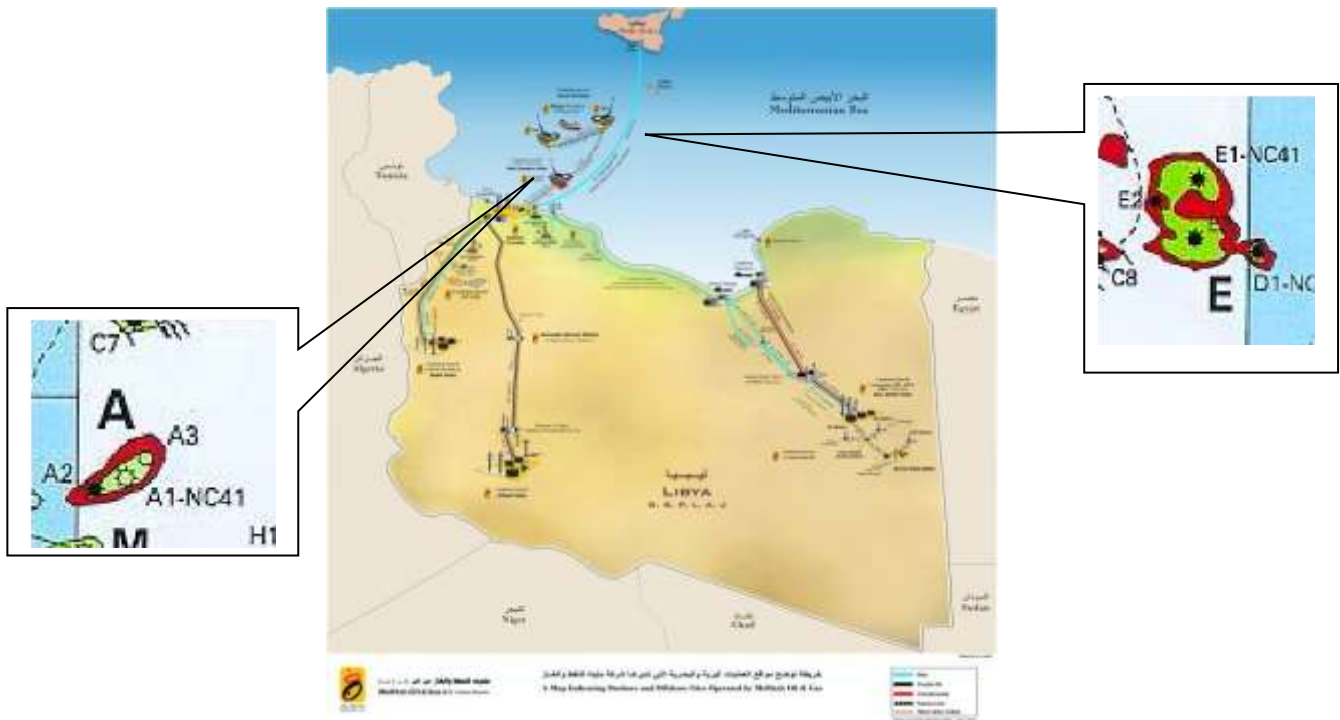
**1. INTRODUCTION:**

Mellitah Oil and Gas (MOG) Libyan Branch invites international and local companies specialized in Environmental Risk and Impacts evaluation and reduction, to be prequalified for inclusion in the bidders list of the tender to be issued for the provision of an Environmental Impact Assessment (EIA) Study for its Structure A&E Offshore Development Project Drilling & Completion Activities in compliance with Libyan and International standards.

**2. PROJECTS DESCRIPTION:**

Company is considering the development of the unexploited areas located in the Block NC41 (Structure A and Structure E), offshore Libya.

E-Structure is located (see figure below) in the central-eastern part of the Area D (ex NC41 area), about 130 Km far from the Libyan coast, in a water depth ranging from 205 to 235 m, while A-Structure is in the central-western part of the area, approximately 80 Km from Libyan coast, where water depth is ranging between 95 and 105 m.



E-Structure and A-Structure Location



The development scenario for A-Structure located in the Libyan offshore (Area D) envisages a dry tree/fixed platform development in synergy with the existing platform of Sabratha, while the E-Structure will be developed using an independent fixed production platform along with subsea wells.

### **3. SCOPE OF WORK**

The purpose of the study is to evaluate and report information pertaining to the potential risks and impacts associated with proposed project activities and recommend mitigation measures for avoiding harm to the environment and antiquities, to comply with the Libyan and international environmental requirements including offshore protocol Barcelona Convention & its Applicable Protocols & MARPOL Convention. Moreover, integrate these mitigation measures with the project design process and environmental management plan to capture anticipated benefits.

The EIA will be performed in full compliance with the Libyan Regulatory Requirements and international guidelines, in particular outlined by the International Association of Oil and Gas Producers (OGP) and International Association for Impact Assessment (IAIA). In addition, the concept of "Industry Best Practice" will also be applied in the study.

Environmental impact assessment must include a description of the environmental effects of malfunctions or accidents that may occur during the Drilling & Completion activities.

**IMPORTANT Note:** Environmental Baseline Survey (EBS) for the Structure A&E Development Project is undertaken by a separate Contract, the successful Tenderer will be handed over the EBS report at Kick-Off meeting.

### **4. EIA STUDY OBJECTIVES:**

- Provide a comprehensive description of the environment in which the project is located.
- Identify project components, associated activities and aspects, and assess the significance of potential impacts.
- Define the legal framework for the proposed project activities and highlight mandatory requirements.
- Identify design solutions and control and mitigation measures to limit significant environmental impacts.
- Identify residual impacts and assess the significance of these.
- Identify, evaluate, characterize and quantify direct, indirect, positive and negative potential risks and impacts of Drilling & Completion activities including impacts of an oil spill to the marine and coastal environment.
- Identify the type, magnitude and significance of the risks and impacts, their possible residual effects and develop environmental sensitivity index (ESI).
- Assess the potential impacts of the surface release of oil in case of blowout event.
- Assess cumulative and trans-boundary impacts for all key sensitivities of the project area.



- Recommend risk reduction and mitigation measures and prepare a frame work for environmental management and monitoring to minimizing negative impacts through Drilling & Completion period.
- Define the ways and means to apply environmental protection control measures during the Drilling & Completion activates.
- Identify potential liabilities and social risks associated with the Drilling & Completion activities and rank them for severity and significance.
- Produce a list of recommendations that will form HSE Technical Guidelines to be used during the Drilling & Completion activities.
- Identify the waste disposal methods, infrastructure and develop waste management plan for the proposed Drilling & Completion activities in compliance with Environmental standards.
- Evaluate the cost benefit analysis for the economic cost associated with potential environmental damages due to Drilling & Completion activities with that of incorporating mitigation measures to minimize or eliminate these damages.
- Provide a layout of the site and its surrounding environment illustrating the dimensions of the study area;
- Include a glossary of terms (including definition source) to assist the reader in understanding the material presented.

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