

MOBIL Producing Nigeria Unlimited

An ExxonMobil Subsidiary

Operator of the NNPC/MPN Joint Venture

Tender Opportunity:

Provision of 3D Survey APSDM Strategic Imaging Project

1. INTRODUCTION

Mobil Producing Nigeria Unlimited (MPN), operator of NNPC/MPN Joint Ventures plans to engage 3D Survey APSDM Strategic Imaging Project on its Lagos locations within the NNPC/MPN Joint Venture (JV) acreage for an anticipated contract term of two (2) years with a one (1) year optional renewal period. Contract is expected to commence as soon as possible, potentially by the fourth quarter of 2011.

2. SCOPE OF WORK

The scope of work includes, but is not limited to the provision of 3D Survey APSDM Strategic Imaging Project, associated tools and highly qualified specialist personnel.

Interested companies must be able to provide the following 3D Survey APSDM Strategic Imaging Project:

A. General Project description

- The Project is best described as an integrated Imaging Study with a primary objective to develop the best methodologies to solve fault related imaging problems that are common in OML 104 and other areas across the Niger delta.
- Anisotropic prestack depth migration in combination with advanced velocity model building and tomographic techniques are essential technologies for the project. Success will require strong collaboration between specialized experts from the contractor and MPN, as well as an iterative, integrated, creative and highly interpretive approach.
- Fault surfaces will need to be depth interpreted and become surfaces that separate velocity contrasts within the model. Anisotropic parameters will need to be constrained by available well control and checkshots (VI and Walkaway) as well as geological surfaces. Finding the proper combination of depth imaging algorithms and model building will require some trial and error testing.
- Ultimately, the imaging objectives for OML 104 are to improve fault sag and fault shadow related imaging problems to reduce the structural and stratigraphic uncertainty for several deeper (>10,000ft) exploration leads as well as at Yoho and adjacent fields

B. Input Data and Area

- Input data for the project will be the OML 104 2003 3D survey that was acquired in a 10 streamer/dual source configuration covering -1230 km² (full fold). The data were acquired E-W into 12.5m xline bins with 6km streamers with a 18.75m flip/flop source yielding 80 fold. Due to surface obstructions in the area some 1500m offset box-in data was also acquired in 2003. Additional vintage streamer data (different shooting direction) will also be used to supplement near offset gaps around obstructions.
- The Imaging Program area includes the entire 2003 3D survey extent (-1230 km² full-fold). Based on technical and business needs a priority area of -262 full-fold sq-km (-125 sq, -km image area) is planned to be branched off later in the velocity model building phase

Generalized Breakdown

The service can be broken down into these three general categories:

- Hi-end preprocessing from navigation merged field tapes. Noise mitigation, multiple suppression and signal enhancement are critical, particularly in fault shadow areas. Bin and regularize the data prior to migration.
- Iterative Anisotropic Velocity Model Building to accurately resolve lateral velocity contrasts across faults for the entire OML 104 block. Contractor must have a full suite of proven prestack depth migration algorithms (Kirchhoff, Bean, WEM, RTM) as well as proven tomography with ability to constrain input rays based on model surfaces. Contract must have the ability to incorporate the geological surfaces and other geophysical data into the velocity/anisotropic model
- Hi-end post-migration processing and noise reduction as required with a suite of angle stacks and specified derivative volumes.

3. MANDATORY REQUIREMENTS

1. To be eligible for this tender exercise, interested contractors are required to be pre-qualified in the 2D/3D Seismic data processing product group 31002 category in NipeX Joint Qualification Scheme (NJQS) database. **All successfully prequalified suppliers in this category will receive Invitation to Technical Tender (ITT)**
1. To determine if you are prequalified and view the product/service category you are listed for: Open www.nipexng.com and access NJQS with your log-in details, click on continue Joint Qualification Scheme tool, click check my supplier status and then click supplier product group.
1. If you are not listed in a product/service category you are registered with DPR to do business, contact NipeX office at 30 Oyinkan Abayomi Street, Ikoyi Lagos with your DPR certificate as evidence for necessary update.
1. To initiate the JQS pre-qualification process, access www.nipexng.com to download an application form, make necessary payments and contact Nipex office for further action.

1. To be eligible, all tenders must comply with the Nigerian Content requirements in the NipeX system.

4. NIGERIAN CONTENT

Nigerian Content (NC) in the upstream **sector** of the Nigerian oil and gas industry is defined as:

“The quantum of composite value added to or created in the Nigerian economy by a systematic development of capacity and capabilities through the deliberate utilization of Nigerian human, material resources and services in the Nigerian oil and gas industry.”

The Federal Government of Nigeria (FGN) in line with its vision for Nigerian Content (NC) development has enacted the Nigerian Oil and Gas Industry Content Development Act 2010 (NOGICD Act).

NNPC/MPN JV requires her Contractors to comply with the Act, it's attached Schedule and any applicable regulation developed by the Nigerian Content Development Monitoring Board.

Bidders shall consider Nigerian content as an important element of their overall project development and management philosophy for project execution, **(Section 2)**

Bidders are expected to provide the following details

- NC Plan that addresses utilization of Nigerian Labor, Services, Materials and Equipment for this service,
- Provide a detailed description of your company's committed infrastructure in Nigeria (offices etc).
- Provide details of your company's Ownership Structure. Attach copies of CAC forms (CO2 & Co7).
- Describe any training and certification program you have in place for your Nigerian personnel including list of relevant training attended by indigenous staff in the last 3 years.
- Please indicate the percentage of key Management positions (line managers) that are held by Nigerians, Also provide percentage of total Company workforce and staff (direct and in-direct employees) that are Nigerians

In line with the NOGICD Act, Bidders will also be required to submit as part of its technical submission a Nigerian Content Plan demonstrating compliance with the NC requirements in the Act.

Bidders' failure to comply with the NOGICD Act or demonstrate commitment to Nigerian Content development will result in Bidder's disqualification

5. CLOSE DATE

Only tenderers who are registered with NJQS Product/Category as **on 25th January, 2011** being the advert close date shall be invited to submit Technical bids.

6. ADDITIONAL INFORMATION

1. This advertisement shall neither be construed as an Invitation to Tender (ITT) nor a commitment on the part of MPN to award a contract to any supplier and/or associated companies, sub-contractors or agents.
1. This advertisement shall not entitle prequalified companies to make any claims whatsoever, and/or seek any indemnity from MPN and/of its partners by virtue of such companies having been prequalified in NJQS.
1. NNPC/MPN reserves the right to reject any and or all prequalified suppliers at its sole discretion and at no costs whatsoever.
1. All costs incurred in registering and prequalifying for this and other product/service categories in NJQS shall be borne solely by suppliers.
1. Suppliers that are prequalified for this product/service category in NJQS must ensure that the name and contact details (physical address, email address and telephone number) of their company and authorized/responsible personnel is up-to-date in their company profile in the NJQS database
1. MPN shall communicate only with the authorized/responsible personnel of prequalified companies and not through unauthorized individuals or agents.

Please visit the NipeX Portal at www.nipexng.com for this Advert and other Information

Mobil House, Lekki Expressway, Victoria Island, P M B. 12054, Lagos