

## **Mobil Producing Nigeria Unlimited**

**An ExxonMobil Subsidiary**

**Operator of the NNPC/MPN Joint Venture**

**Tender Opportunity: Provision of Pressure Volume Testing (PVT) Analysis and Sampling Services**

**NipeX Tender Number: 0400210**

### **(1) Introduction**

Mobil Producing Nigeria Unlimited (MPN), operator of NNPC/MPN Joint Ventures plans to carry out Pressure Volume Testing (PVT) Analysis and Sampling services on offshore appraisal and production locations in their 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 in 2015.

An open competitive tendering process through the NipeX portal will be adopted and a multiple award of two (2) contracts to the lowest and second lowest bidders at the lowest bidder's rates is anticipated. The ratio of award will be 60%:40% in favour of the lowest bidder.

### **(2) Scope of Work**

Mobil Producing Nigeria Unlimited (MPN) intends to undertake comprehensive reservoir fluid analysis with a view to obtaining reservoir fluid properties necessary to characterize and predict reservoir performance. This is required in order to maximize the economic recovery from such oil/gas reservoirs. The studies include full PVT Study for Black Oil, Volatile Oil, Gas Condensate, Wet/Dry Gas, Water Analysis as well as Natural Gas Liquids Analysis.

#### **The scope of the studies includes;**

- Sampling and wellsite services
- Sample validation of subsurface and surface samples
- Compositional analysis and Recombination which includes: Compositional measurement of separator liquid sample to C36<sup>+</sup> by atmospheric separation at 500G and gas/liquid chromatography techniques, calculation of wellstream compositions.

Recombination of separator oil and gas sample to corrected field GOR to produce 500 cc's of reservoir fluid for reservoir condition analysis.

- Reservoir Condition analyses which includes: constant Composition study, Constant Mass Expansion, Constant Volume Depletion, Differential liberation, Analyses of residual liquid to C36+, Viscosity measurement of reservoir fluid etc,
- Surface analyses which includes: Single and Multi-stage Separator test, Analyses of evolved gases to C11+, Analyses of residual liquid to G36+, Atmospheric flash of sample from PVT cell to stock tank conditions.
- Water Analysis
- Crude Assay Analysis
- Miscible Equation-of-State studies.
- Crude Compressibility Correction Factor (CCCF) Studies
- Molecular composition of gas (C1-C9, C02, sp, Gravity, molecular wt.)
- Hydrocarbon Fingerprint (up to C30)
- Determination of mud contamination
- Oil and Gas Sample bottle rental

### **(3) Mandatory Requirements**

(1) To be eligible for this tender exercise, interested contractors are required to be pre-qualified in the Reservoir Evaluation Product Group 31210, categories A-D in NipeX Joint Qualification Scheme (NJQS) database. All successfully prequalified suppliers in this category will receive Invitation to Technical Tender (ITT).

(2) To determine if you are prequalified and view the product/service category you are listed for; Open [www.nipexng.com](http://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.

(3) 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 verification and necessary update.

(4) To initiate the JQS pre-qualification process, access [www.nipexng.com](http://www.nipexng.com) to download an application form, make necessary payments and contact NipeX office for further action.

(5) To be eligible, all tenders must comply with the Nigerian Content requirements in the NipeX system

#### (4) Nigerian Content

Company is committed to the development of the Nigerian Oil and Gas business in compliance with the Nigerian Oil and Gas Industry Content Development Act 2010 (NOGICD Act) enacted by the Federal Government of Nigeria in April 2010.

As from the commencement of this Act, the minimum Nigerian Content in any project, service or product specification to be executed in the Nigerian Oil and Gas Industry shall be consistent with the level set in the Schedule to the Act and any other targets as may be directed by the Nigerian Content Development and Monitoring Board (NGDMB).

MPN requires their Contractors to comply with the Act, its attached Schedule and any applicable regulation developed by the NCDMB.

Nigerian Content (NC) in 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."

"Nigerian company" is a company registered in Nigeria in accordance with the provisions of Companies and Allied Matters Act with not less than 51 % equity shares by Nigerians.

Bidders shall consider Nigerian content as an important element of their overall project development and management philosophy for project execution.

As part of their submissions, Tenderers shall:

(i) Provide a description of its committed infrastructure (asset, equipment, technical office, and administrative space, storage, workshop, assembly area, repair, and

maintenance, testing, laboratory, etc) in Nigeria (offices, equipment etc) to support this contract, evidence that a minimum of 50% of all equipment deployed to work by multinational and international companies are owned by the Nigerian subsidiary.

(ii) Demonstrate that its entity is a Nigerian registered company, defined as a company registered in Nigeria in accordance with the provision of Company and Allied Matters Act. Provide details of its Ownership Structure. Submit certified true copies of CAC form (C02 and C07) including Memorandum and Article of Association. For Nigerian company in alliance with a foreign company or multinational, submit evidence of binding agreement of the alliance duly signed by the CEO's of both parties.

(iii) Submit a plan on how it intends to give first consideration to services provided from within Nigeria, to meet 80% Nigerian Content spend in line with the requirements of the NOGIGD Act for Geological Evaluation Services (Organic Geochemistry, Petrology, Diagenesis, Geostratigraphy, Fluid Characterisation, PVT, Core Analysis, Flooding), under the Exploration, Subsurface, Petroleum Engineering and Seismic category of the Schedule of the Act

(iv) Demonstrate key Management positions that are Nigerian Nationals and the percentage of the Company total workforce (direct and in-direct employees) that are Nigerians

(v) Submit a plan on how it intends to provide Human Capacity Development and Personnel Training

(vi) Provide evidence of application for Nigerian Content Equipment Certificate (NCEC) issued by Nigerian Content Development and Monitoring Board (in respect of any components, spares, equipment, systems and packages to be used on the project

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 relevant NJQS Product/Service Categories as at **Thursday May 21, 2015 being the advert close date** shall be invited to submit Technical bids.

**(6) Additional Information**

(A) 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.

(B) This advertisement shall not entitle prequalified companies to make any claims whatsoever, and/or seek any indemnity from MPN and/or its partners by virtue of such companies having been prequalified in NJQS.

(C) All costs incurred in registering and prequalifying for this and other product/service categories in NJQS shall be borne solely by suppliers.

(D) 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.

(E) MPN shall communicate only with the authorized/responsible personnel of prequalified companies and not through unauthorized individuals or agents.

(F) In the event that only one or two Bidders are qualified following the planned technical evaluation exercise, tendering will progress to the commercial stage of evaluation.

Please visit the NipeX Portal at [www.nipexng.com](http://www.nipexng.com) for this Advert and other information  
**Mobil House, Lekki Expressway, Victoria Island, P.M.B. 12034, Lagos**