Sterling Oil Exploration and Energy Production Company Limited
Operator of the Onshore Blocks OML 143, OML 146, OPL 2005 & OPL 2006 PSC
ADVERT FOR TENDER OPPORTUNITY FOR ONSHORE DRILLING SERVICES IN BLOCK OML 143, OML 146, OPL 2005 & OPL 2006
FOR PROVISION OF CORE ANALYSIS SERVICES

1. INTRODUCTION

Sterling Oil Exploration and Energy Production Company Limited (SEEPCO) Sterling Global Oil Resources Limited (SGORL), Sterling Exploration Limited (SEL) and Sterling International Resources Limited (SIRL) under the group of companies herein referred to as "STERLING" plans to engage the services of qualified service provider(s) for Provision of Core Analysis Services for Sterling PSC Blocks i.e. OML 143, OML146, OPL 2005 & OPL 2006 and invites interested and pre-qualified bidders with relevant experience and capacity for technical tendering opportunity for the Onshore Drilling Campaign in OML 143, OML146, OPL 2005 & OPL 2006. The Work is expected to commence in second quarter of 2020. The work locations shall be within STERLING's areas of operations in the Niger Delta. The estimated primary duration of this contract is two years with an option to extend it for another one year.

2. SCOPE OF WORK/SERVICE REQUIREMENTS

Provision of Core Analysis Services (1000002196) CATEGORY: 3.12.01 (Petrophysical Interpretation Services)

The scope primarily involves obtaining whole core preservation transportation & plugging, Routine Core Analysis (RCA) and Special Core Analysis (SCAL). The scope of work for each service includes, but not limited to, the following technical requirements and depending on the service, may have to be performed at the well site or at the contractor's laboratory;

Onsite Core Plugging, Preservation and Transportation:

- Core acquisition
- Well site total & spectral core gamma
- Core resination, foam, dry ice & any other preservation
- Core cutting and plugging
- Depth marking
- Vertical plugging
- Plug preservation (cooler box or wax bath)
- Core storage
- Core transportation
- All accessory equipment's for preservation and transportation

Routine Core Analysis (RCA)

- Spectral core gamma logging (computerized)
- Slabbing
- Horizontal and vertical plugging and preservation
- Fluid saturations (including Dean Stark)
- Tracing for invasion correction
- Helium Porosity
- Permeability (gas and liquid)
- Core photography (large format and close-up)
- Core mounting and casting
- Core impregnation for soft sediments
- CT scanning
- Petro graphical evaluation and geological services
- Core description and full sedimentology services
- SEM studies
- XRD analysis
- Grain size analysis (sieve / LPSA)
- Lithological description

General conditions

- During the analysis, if required, Company will send its representative to the Contractor's core laboratory in Nigeria for close liaison and QC. The company should extent all technical cooperation to the Company representative.
- The contractor shall be responsible for safe handling of the cores and core plugs samples as well as quality of experiments conducted.

Deliverables

1. Contractor shall provide timing / schedule for completion of RCA and other services within one (1) week from the day the cores are handed over.
2. Interim progress reports of RCA results should be provided as soon as they become available.
3. Contractor shall provide 3 CD version of the reports, covering amongst others raw data and procedures used for analysis.
4. Contractor shall submit 6 hard copies of final report to Company

Special Core Analysis (SCAL)

- Capillary pressure
  - Centrifuge
  - Pore size distribution (Mercury or other)
  - Porous plate
- Formation Factor, resistivity index and saturation exponent
- Conductivity measurement
- Confining pressure measurement
- Relative permeability (Steady and Un-steady state, using centrifuge or displacement methods)
  - two-phase and three-phase
  - Determination of Residual saturation(s)
- Wettability tests, USBM and/or AMOTT
- Fluid saturation determination
- Rock-fluid interactions
- Geo mechanical tests, such as, Uni-, bi-, Triaxial compression test, unconfined compress, thick-walled cylinder tests, hollow cylinder tests, stress-strain measurements, creep testing, etc.
- Flooding studies, including with live fluids or analogs at reservoir temperature and pressure
- Cation exchange capacity
- Composite core studies
- EOR studies and suitability

General conditions

- If any services will be performed through a sub-contractor (third party) outside Nigeria, then, Contractor should provide their MOU in area of participation with the sub-contractor (third (3rd) party) along with their technical submission.
- During the analysis, if required, Company will send its representative to their sub-contractor laboratory for close liaison and QC. The Contractor should extent all technical cooperation to the Company representative.
- In case the Contractor does not have the capability to conduct some or all the SCAL experiments / measurements and it has been proven that no other laboratory in Nigeria has the capability, the Contractor shall be responsible for the export and shipment of core plugs outside Nigeria to a third (3rd) party laboratory, for more advance and specialized analysis (SCAL). In such cases, Contractor will not ship any cores without prior approval from Company, DPR and NAPIMS.
- For the studies that require crude, drilling mud and brine, the Contractor will take the responsibility of shipping the fluid samples to the third party outside the country.
- The contractor shall be responsible for safe handling of the cores and core plugs samples as well as quality of experiments conducted, and shall also be responsible for importing the core plugs back to Nigeria, at conclusion of SCAL work.

Deliverables

1. Contractor shall provide timing / schedule for completion of SCAL and other services within one (1) week from the day the cores are handed over.
2. Interim progress reports of SCAL results should be provided as soon as they become available.
3. Contractor shall provide 3 CD versions of the reports, covering amongst others raw data and procedures used for analysis.
4. Contractor shall submit 6 hard copies of final report to Company

3. MANDATORY REQUIREMENTS

- To be eligible for this tender exercise, interested Bidders are required to be pre-qualified in all the Product/service Categories (as mentioned against each tender under Sl. No. 2 'Scope of Work/Service Requirements' above) in NipeX Joint Qualification System (NJQS) database. All successfully pre-qualified Bidders in above category by the Bid close date will receive invitation to technical tender.

- Please note, interested bidders including their sub-contractor(s) shall be required to:
  - Meet all JQS mandatory requirements to be listed as "PRE-QUALIFIED" for a category in the NJQS database.
  - Meet all Nigerian Content requirements stated in this advert in their responses to the invitation to technical tender.

  (Failure to meet the Nigerian Content requirements is a "FATAL FLAW".)

- To determine if you are pre-qualified and view the product/service category you are listed for: Open ***http://vendors.nipex-ng.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'
- If you are not listed in a product/service category noted above, and you are registered with DPR to do business for this category, please contact NipeX office at 8/10 Bayo Kuku Road Ikoyi Lagos with your DPR Certificate as evidence for review and necessary update.
- To initiate and complete the JQS prequalification process, access ***www.nipex-ng.com*** to download the application form, make necessary payments and contact NipeX office for further action.

4. NIGERIAN CONTENT REQUIREMENTS:

Sterling Oil Exploration and Energy Production Company Limited (SEEPCO) is committed to the development of the Nigerian Oil & Gas business in accordance with the Nigerian Oil and Gas Industry Content Development Act 2010 (NOGICD Act) enacted by the Federal Government of Nigeria in April 2010.

Pursuant to enactment of the NOGICD 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 of the Act and any other target as may be directed by the Nigerian Content Development and Monitoring Board (NCDMB).

Interested bidders shall comply with the provisions of the NOGICD Act and all applicable regulations. Only the Bidders that comply with Nigerian Content Requirements shall participate in next tender stage.

The following are the Nigerian Content requirement bidders are expected to comply with in their technical submission:

- Provide evidence of company Ownership Structure form CO2 and CO7, registration on NOGIC JQS and DPR certificate.
- Detailed description of the location of in-country committed facilities & infrastructure (Technical/Administrative office, core analysis laboratory etc.) in Nigeria to support this contract.
- In line with the NCD Human Capacity Development Initiative, Bidder shall commit to providing Project-Specific training, man-hour, budget, skill development and understudy plan for Nigerian personnel utilizing OGTAN registered trainer(s) or other approved NCDMB training institution(s).
- Submit Tenderer's corporate organizational and project/contract specific organogram. CV's of all personnel (Core analysis personnel as required by the Client and the service) listed in the project organogram should be submitted. For any position to be occupied by expatriate, tenderer shall provide evidence to obtain expatriate quota approval granted by NCDMB before any expatriate is deployed to execute this work scope".
- Provide evidence of at least 50% Nigerian ownership of Core analysis equipment as stated in the scope of work.
- Provide Category C NIGERIAN CONTENT EQUIPMENT CERTIFICATE (NCEC) issued by Nigerian Content Development and Monitoring Board in respect of the mentioned equipment.
- Details of in-country procurement plan and Binding MOA to source goods and materials with names and addresses of the Nigerian suppliers.

5. CLOSE DATE

Only tenderers who are registered with NJQS Product/Category: **3.12.01 (Petrophysical Interpretation Services)** by 17:00 hours, July 06, 2020 being advert close shall be invited to submit technical bid.

6. PLEASE NOTE THE FOLLOWING:

- Bidders/Suppliers eligible for this tender opportunity are expected to be pre-qualified in NJQS under the specified product/service category.
- Bidders/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 authorised/responsible personnel is up-to-date in their company profile in the NJQS database.
- The invitation to tender (ITT) and any further progression of this tender shall be via NipeX. Interested bidders are therefore advised to ensure they are set-up in NipeX with a valid and active official company email address accessible by all in their organization as this shall be the only means to transmit the ITT.
- All costs incurred in preparing and processing NJQS prequalification shall be to the contractors' accounts.
- This advertisement shall neither be construed as any form of commitment on the part of STERLING to award any contract to any company and or associated companies, sub-contractors or agents, nor shall it entitle pre-qualified companies to make claims whatsoever, and/or seek and indemnity from STERLING and or any of its partners by virtue of such companies having been pre-qualified in NJQS.
- The tendering process shall be the NNPC contracting process requiring pre-qualified companies to submit technical tenders first. Following a technical review, only technically qualified contractors will be requested to submit commercial tenders.
- STERLING / NNPC reserve the right to reject any and or all pre-qualified Bidders/supplier at its sole discretion and at no cost whatsoever.
- STERLING will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or agents

Please visit the Nigerian Petroleum Exchange (NipeX) Public Opportunity Portal, *www.nipex-ng.com* for copy of this advertisement and any other required information.
NC CERTIFICATION NUMBER: ES/NCDMB/SEEPCO/ADV/UPD/110620/PROVISION OF CORE ANALYSIS FOR STERLING OPERATING PSC BLOCKS-1000002196