



**THE SHELL PETROLEUM DEVELOPMENT
COMPANY OF NIGERIA LIMITED**
**TENDER OPPORTUNITY: PROVISION OF CORE ANALYSIS AND
ASSOCIATED SERVICES.**



<NipeX Tender Ref. No. SPDC.0000456>

1.0 Introduction

The Shell Petroleum Development Company of Nigeria Limited (SPDC), Operator of NNPC/Shell/Elf/Agip Joint Venture hereby announces to interested companies an upcoming tendering opportunity for the **Provision of Core Analysis and Associated Services** for SPDC projects and Asset teams. The proposed contract will commence in Q3 2022 and remain active for a two (2) years duration, followed by a (1) one-year extension option.

Please visit the Nigerian Petroleum Exchange Portal www.nipex-ng.com for further details.

2.0 Scope of Work

The scope of work consists of the following key services:

- Core Handling (Provision of Personnel at Well Site to Preserve and Package Core, Core Gamma Logging, Core Plugging, Core Photography, Wellsite Preparation and Preservation of Core for Transportation, Transportation of Core)
- Routine Core Analysis (Core/Core Sample Preparation, Core Gamma Logging, Core CT scan, Core Plugging, Core Cleaning and Drying, Grain Density, Atmospheric & Stress Boyle's Law Porosity, Atmospheric & Stress Air Permeability with Klinkenberg Correction Applied, Fluid Saturation by Dean Stark Method/Summation of Fluids, Lithological and Sedimentological Description of Samples, Detailed Core Description, Grain Size Analysis (Different Methods), Granulometry, Core Storage, Documentation of Final Analysis Results and Provision of Hard and Soft Copies of Final Analysis Report)
- Special Core Analysis (X-Ray Diffraction, Scanning Electron Microscopy, Capillary Pressure Tests (Different Methods), Stressed Porosity and Permeability Measurements, Formation Resistivity Factor (Ambient & Stressed), Resistivity Index by Continuous Injection Method, Multiple Stress Resistivity Index, Core Flooding Test at Stress (including Brine Permeability and Brine Sensitivity Tests), Steady and Unsteady State Relative Permeability (Different Methods), Wettability, Interfacial Tension, Thin Section Preparation and Detailed Analysis, Residual Hydrocarbon Measurements, Waterflood Susceptibility Tests, Cation Exchange Capacity Measurements (Wet Chemistry Method), Qv (by Co-Cw or Membrane Potential Method), Thick Wall Cylinder Measurements, Brinell Hardness, Unconfined Compressive Strength, Shear, Bulk & Stiffness Modulus, Triaxial and Rock Failure Tests, Uniaxial Compaction and Pore Volume/Bulk Volume Compressibility, Ultrasonic Velocity & Bulk Density, Nuclear Magnetic Resonance, Geochemical Analyses, Documentation of Final Analysis Results and Provision of Hard and Soft Copies of Final Analysis Report)
- Digital Rock Physics (Sample Preparation, Image Acquisition (3D micro-CT images of 1–2-micron voxel size), Image Segmentation, Image Processing, Simulation and Documentation)

3.0 Mandatory Requirements

1. To be eligible for this tender exercise, interested contractors are required to be pre-qualified as essential service vendor in the **3.12.01 Petrophysical Interpretation Services** category in NipeX Joint Qualification System (NJQS) data base. **Only successfully pre-qualified suppliers in this category will receive Invitation to Technical Tender (ITT).**
2. To determine if you are pre-qualified and view product/service category you are listed for, open vendors.nipex-ng.com and access NJQS with your login 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 No 8/10 Bayo Kuku Road, Ikoyi, Lagos with your DPR certificate as evidence for necessary update.



4. To initiate the JQS prequalification process, access www.nipex-ng.com to download the 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.

4.0 Nigerian Content Requirements

Vendors are to demonstrate strict compliance with the provisions of Nigerian Oil & Gas Industry Content Development Act and also provide the following requirements:

- Demonstrate that entity is a Nigerian registered company with greater than 51% Nigerian shareholding. Submit certified true copies of CAC forms 10, 02 & 07 (or its equivalent; CAC 2.3, 2.4, 2.5, etc.). Tenderer shall provide evidence of company registration on Nigerian Oil and Gas Industry Joint Qualification System (NOGIC JQS)
- Provide detailed description of the location of in-country committed facilities & infrastructure (Core sample & analytical Laboratory, technical office, and administrative space) in Nigeria to support this contract.
- Tender shall provide evidence of NCEC Category 1,2,3,4 or 5 for services and support group (SS) to demonstrate at least 50% ownership of the Core Analysis equipment to be utilized in executing the work scope.
- Tenderer shall comply with the latest approved version of NCDMB HCD guideline by committing (via a letter of undertaking) 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).
- Provide evidence of what percentage of your key management positions is held by Nigerians and what percentage of the total work force are Nigerians. Also, show overall percentage of work to be performed in Nigeria and those by Nigerian resources relative to total work volume.

5.0 Closing Date: Only Tenderers who are registered in the NJQS Petrophysical Interpretation Services (product code 3.12.01) category as at **23/06/2022** being the advert close date shall be invited to submit combined Technical and Commercial bids.

6.0 Additional Information

- All costs incurred in preparing and processing NJQS prequalification shall be to the contractor's accounts.
- This advertisement shall neither be construed as any form of commitment on the part of SPDC to award any contract to any company and or associated companies, sub-contractors or agents, nor shall it entitle prequalified companies to make any claims whatsoever, and/or seek any indemnity from SPDC and or any of its partners by virtue of such companies having been prequalified in NJQS.
- SPDC will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or Agents.

Please visit NipeX portal at www.nipex-ng.com for this advert and other information. Also note that this contract will be progressed through NipeX system.

ES/NCDMB/SPDC-ADVERT/UPD/060522/PROVISION OF CORE ANALYSIS AND ASSOCIATED SERVICES – CW428417.

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