



## THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED



**TENDER OPPORTUNITY: PROVISION OF GEOSCIENCES SUPERVISION SERVICES**  
**<NipeX Tender Ref. No. SPDC.00000303 >**

### 1.0 Introduction:

The Shell Petroleum Development Company of Nigeria Limited (SPDC), Operator of NNPC/Shell/Elf/Agip Joint Venture hereby announces to interested and prequalified companies an upcoming tendering opportunity for the Provision of Geosciences Supervision Services for SPDC. The proposed contract will commence in November 2019 and remain active for two-year duration, followed by one-year extension option.

### 2.0 Scope of Work

Scope of activities under this contract include the following:

#### **GEOPHYSICAL SUPERVISION SERVICES**

- 24/7 supervision by experienced seismic data acquisition consultants (Geophysical, Geomatics, HSE, Security and Community Affairs) of seismic operations as well as reporting and monitoring of performance.
- Provision of 24/7 daily field supervision services of all Health, Safety, Security, Environmental and Social Performance (HSSE&SP) aspects of seismic operations as well as reporting and monitoring of performance.
- Ensuring full contractor compliance with HSSE & SP control frame work standards and implementation including the 12 Life Saving Rules and other initiatives.
- Provision of Quality Assurance and Quality Control (QA/QC) services during seismic data acquisition campaigns using the necessary tools/equipment
- Verifying the correct functioning of all equipment and instruments for the duration of the seismic survey.
- Ensuring that all Work Standards relevant to the geophysical data acquisition are complied with, as defined in the contract between Shell and the geophysical contractor, or otherwise agreed upon between Shell and the geophysical contractor.
- The supervision service providers shall use due diligence and professional experience in the supervision of the day to day performance of the geophysical contractor and shall not allow the level of performance to fall below the specified standard of geophysical practice.

#### **GEOMATICS SUPPORT SERVICES**

##### **a) PROVISION OF CORPORATE GIM SERVICES**

- Geological and topographical mapping services (digital and analogue).
- Maintenance, management and delivery of GIS spatial and attribute data, databases and applications.
- Provision of Remote Sensing services and provision of Geodetic Assurance Services.
- Oil Spillage and Environmental Mapping.
- Provision of equipment and consumables and other resources required to support the digital mapping sections for the production, maintenance and storage of digital topographical, geological and other maps.
- Geomatics Archive Management (Field Project Documents & Analogue Maps) and response to ad hoc Map and Reprographic requests.

##### **b) PROVISION OF GEOMATICS QUALITY ASSURANCE & CONSULTANCY SERVICES**

- Provision of onshore/shallow offshore field survey operations supervisory services.
- Provision of onsite topographical quality control and assurance services for engineering activities including facilities and pipelines constructions.
- Provision of environmental mapping, oil spill mapping and litigation management support services.
- Provision of positioning validation, post data acquisition review, quality control and assurance services.
- Providing technical support for GPS Continuously Operating Reference Stations (CORS) and ensuring availability of
- Provision of onsite Right of Way surveillance and mapping support services.

#### **SUBSURFACE CONSULTANCY (GEOPHYSICAL AND GEOLOGICAL)**



a) **PROVISION OF STRATIGRAPHIC & SEDIMENTOLOGICAL SERVICES**

- Specialist biostratigraphic data analyses and interpretation (Micropalaeontology, Palynology and Calcareous Nannoplankton) including (but not restricted to) accurate age dating of biostratigraphic events using Stratabugs.
- Specialist sedimentological data analyses and interpretation in the context of core description (using CoreCAD software) and logging, identification and delineation of lithofacies, lithofacies association/genetic units and interpretation of depositional environment within a sequence stratigraphic perspective.
- Provision of biostratigraphic, sedimentological and sequence stratigraphic training opportunities to SPDC staff through project-orientated consultancy.

b) **SPECIAL GEOPHYSICS CENTRE MANAGEMENT AND OPERATIONS SERVICES**

- Operational support for the Special Geophysics Computing Data Centre facility located in Port Harcourt IA.
- Monitoring the IT hardware devices (i.e. the Server, Storage, Network and tape drives racks equipment) and Utilities in the facility (such as UPS, HVAC temperature/humidity values, FM200 fire detection/suppression system, Power Management Module).
- Manage seismic tape request of all active special geophysics' projects (loading and offloading archiving/de-archiving media on the tape drives).

**DATA MANAGEMENT & WORKFLOW SUPPORT SERVICES AND CONSULTANCY**

a) **HYDROCARBON RESOURCE & FORECASTING WORKBENCH (HFRW) SERVICES**

- Provision of support for Venture Development Management (VDM) processes, Hydrocarbon Forecasting and Result Workbench (HFRW) and ARPR support across development, exploration and wells.
- Development Implementation & Support for HFRW, PERT & AIMS Applications; Provision of Advanced Data Analytics and Predictive Analysis, Decline Curve Analysis Automation and Venture Development Workflow Improvement
- Delivery of key business improvement projects.

b) **TECHNICAL DATA MANAGEMENT (TDM) SUPPORT SERVICES**

- Provision of Data gathering (Wells, Geology & Geophysics and Geolab data) & loading into the appropriate local & corporate databases (CDS, RECALL, EDM, PETROBANK MDS), ensuring that correct data is uploaded, and retrieval is seamless.
- Support Data Quality Improvements projects & initiatives and support resolution of data quality issues in subsurface databases. Drive Emergency Response Organization Portal Data Compliance.
- Provision of Onsite Technical Data Management (TDM) support for geological, geophysical, petrophysical and Reservoir Engineering data management services.
- Provision, support & embedding of Documents and Records Management services, ensure data quality of documents in EP Catalogue, File Plan Management, SharePoint Workspace Management.
- Provision & support for all data and document management activities by working with subsurface & Wells teams to ensure that data is received in industry-standard formats and stored according to corporate DM policies (EP 16).

c) **TDM SUPERVISION/SUPPORT SERVICES (PROVISION OF SUBSURFACE TECHNICAL DATA MGT SERVICES)**

- Technical support and basic technical data analysis used in the Upstream business related to the Technical Disciplines: Subsurface (Geology, Petrophysics, Reservoir Engineering, Production Technology and Geophysics), Wells Engineering and Production Engineering.
- Management of Corporate & Project data – includes raw/interpreted data retrieval and uploads of geophysical/geological/seismic, wells & reservoir, facilities/production data, etc to corporate data stores.
- Document Management: – retrieval, organizing and publishing of key business documents in the enterprise repositories

d) **SEISMIC INTERPRETATION & RELATED SUPPORT DESK SERVICES**

- Provision of specialist advice to users and formal / informal introductory training for Petrel, EDM and other SSW applications.
- Provision of first-line and 2nd line support for Geomatics, Well Engineering, Geology & Geological application support Services.

e) **TECHNICAL COMPUTING SERVICES**

- Provision of Facilities & Infrastructure (Virtual Reality Centres) support services to support subsurface Geoscience



reviews.

- Deployment Management & Support of technical computing machines (servers, clients workstation, disks, plotters/printers) and Management/Installation of essential 3rd party software releases.

All services will be delivered by Nigerians and all spend is in Naira.

### 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
  - **3.10.16 – Seismic Data Management/Supervision Services**
  - **3.09.01 – Navigation/Surveying and Positioning Services/Geomatics Support Services**
  - **3.02.19 – Subsurface Consultancy/Geological Services/Geophysics Computing Centre Support Services**
  - **3.02.23 – Subsurface IT Management Consultancy/Technical Data Management Support Services**
2. To determine if you are pre-qualified and view the product/service category you are listed for: Open <http://vendors.nipexjqs.com> and access NJQS with your log in details. Click on Products/Services Status tab to view your status and product codes.
3. If you are not listed in a product/service category you are registered with DPR to do business, contact NipeX office at, 8/10 Bayo Kuku Street, Ikoyi Lagos with your DPR certificate as evidence for verification and necessary update.
4. To initiate the JQS pre-qualification process, access [www.nipex-ng.com](http://www.nipex-ng.com), click on services tab followed by NJQS registration.
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 the entity is a Nigerian Registered Company, or Nigerian Registered Company as the contracting entity in genuine alliance or joint venture with foreign company with details on scope and responsibilities of parties for this work. Such companies must show evidence of joint venture binding agreement duly signed by the CEO of both companies including evidence or plans of physical operational presence and set-up in Nigeria
- International or multinational company working through a Nigerian subsidiary must demonstrate that a minimum of 50% of equipment to be deployed for execution of work shall be owned by the Nigerian subsidiary by providing a list of equipment for this tender and indicating those that will be owned by the Nigerian subsidiary
- Furnish details of company ownership and shareholding structure. Also submit clear photocopies of your CAC Forms CO2 and CO7
- 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.
- Provide a Nigerian Content Plan providing a detailed description of the role, work scope, man-hours and responsibilities of all Nigerian companies and personnel that would be involved in executing the work. Also provide details of Nigerian Content focal point or manager.
- State proposed total scope of work to be conducted by Nigerian personnel (whether contracted directly or under subcontract agreements) with names and addresses including evidences of well-equipped offices and workshop; attach past experience of such patronage.
- Specific to this work, provide detailed plan for staff training and development on equipment repairs & maintenance and procurement (including all software to be used, number of personnel, name of organization providing such training and evidence of past training record) for Nigerian personnel including description of any specific programs in place for transfer of technology and skills to indigenous businesses and Nigerians over the next five (5) years.
- Location of in-country facilities (Storage, workshops, repair & maintenance facilities and testing facilities)
- Contractor must be willing and able to provide evidence of maximization of made in Nigeria goods and services.
- Provide details on any other Nigerian Content initiative your company is involved in.



**5.0 Closing Date:** Only tenderers who are pre-qualified in NJQS Product/Category

- **3.10.16** – Seismic Data Management/Supervision Services
- **3.09.01** – Navigation/Surveying and Positioning Services/Geomatics Support Services
- **3.02.19** – Subsurface Consultancy/Geological Services/Geophysics Computing Centre Support Services
- **3.02.23** – Subsurface IT Management Consultancy/Technical Data Management Support Services

as at **August 21, 2019** 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.nipexng.com](http://www.nipexng.com) for this advert and other information. Also note that this contract will be progressed through NipeX system.

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