

## **South Atlantic Petroleum Benin S.A**

### **Operator of Offshore Seme Field and Block-1**

#### **Advert for Pre-qualification of contractors for the provision of offshore drilling services and Supply in Seme field**

##### **1.0 Introduction**

South Atlantic Petroleum Benin SA (SAPETRO), operator of Seme Field and Block-1 invites interested and reputable companies with suitable and relevant experience for pre-qualification as a first step to the tendering opportunity for the Offshore Development Drilling Campaign in Seme Field. The Work is expected to commence in third (3rd quarter of 2012. The work locations shall be within SAPETRO's areas of operations in the Republic of Benin Territorial Waters. The estimated primary duration of this contract is one year.

##### **2.0 Scope of Work/Service Requirements:**

###### **(a) Cementing and Pumping Services**

Vendor shall provide cementing and pumping services including but not limited to cement slurry design, supply of cement and cement additives, provision for cementing equipments such as silos, compressors, mixing equipment, batch mixers, cement pumping unit, dumb iron etc to perform all kinds of cement jobs. Vendor shall provide pumping equipments for circulation during well control operation. Vendor shall have facilities of lab testing for cement slurry and water sample. Vendors shall have capabilities to design and develop cement programme.

###### **b. Drilling Fluid and Solid Control Services**

###### **(SAPETRO/SEME/11/002)**

Vendor shall supply mud product and offer mud engineering services on an offshore jack-up Rig, Vendor shall also provide mud engineering programmes and useful technical recommendations.

Vendor shall be able to provide solid control equipments including but not limited to Hi Speed centrifuges, Variable speed centrifuges for low gravity solid removal and / or debariting. Provision for supply of shale Shakers De-Sander, De-silter, Mud cleaner. Mono block pumps, sludge pumps etc for maintaining water based mud systems along with

personnel and all consumable shall also provide Brine Filtration services and personnel for filtration of brine or any other completion fluids.

**(c) Downhole Tools and Fishing Services**

**(SAPETRO/SEME/11/003)**

Vendor shall be able to provide drilling and fishing tools, services and qualified personnel for deviated side tracked wells. Amongst other things vendors shall provide the followings:

- Complete set of drilling equipment i.e. drilling jars, accelerator, stabilizers etc with require cross-overs.
- Complete set of down hole fishing equipment for drilling and completion operations.

**d. Casing/Tubular and Accessories**

**(SAPETRO/SEME/11/004)**

Vendor shall supply various sizes of Casing “Tubular and Accessories of standard API ratings fit for Seme development wells. The sizes shall be from 7” to 30” for casing and 2-7 78” for tubing.

**(e) Slick Line Services**

**(SAPETRO/SEME/11/005)**

Vendor shall provide equipment and experienced personnel for carrying out slick line operations including but not limited to setting and recovery of wire line plugs. Wax/paraffin removal, dummy runs slick line fishing operations, etc.

**(f) ESP Services**

**(SAPETRO/SEME/11/006)**

The scope of services shall be carryout design and supply of ESP and provide supervision during installation. The ESP which shall be installed on all Seme development wells, shall be capable of withstanding high down hole temperature (above 120 deg Celsius). Pumps shall be suitable to crude of 22.5 deg API. provision for tools and equipment s shall include the ESPs, cables and other associated accessories.

**(g) Conductor Piling Services**

**(SAPETRO/SEME/11/007)**

Vendor shall be able to supply equipments and services including but not limited to Hydraulic pile hammer, Cranes, Welding machines, Pile heads, etc. to Pile Drive 30" Conductor Pipes to the point of refusal with Rig on Location.

**(h) Directional Drilling Services**

**(SAPSTRO/SHME/11/008)**

Vendor shall be able to provide the followings for drilling deviated/side tracked wells:

- Various equipments including but not limited to Mud Motors, Rotary Steerable Systems, Stabilizers, etc, required to drill to requested inclination and azimuth.
- Software and hardware for survey data management well planning, anti-collision scanning, BHA behaviour prediction, torque and drag calculations and hydraulic calculation.

**(i) MWD-LWD Services**

**(SAPETRO/SEME/11/009)**

Vendor shall be able to provide following services for drilling deviated/side wells:

- Measurement while drilling (MWD) tools and services (inclination, azimuth, tool face, gamma ray etc), logging while Drilling (LWD) tools and services (gamma ray, resistivity, density, neutron, sonic, formation pressure while drilling etc).

(j) **Logistic Service**

**(SAPETRO/SEME/11/010)**

Company shall provide the following logistic supports:

- Materials movement In and out of the rig
- Personnel movement in and out of the rig
- Coordinate boats and vehicles logistic
- Man company's communication system at the company bases and effectively respond to company's instruction on all logistics matters.
- Carry out other instructed logistic matters

(k) **Electrical Logging**

**(SAPETRO/SEME/11/011)**

Vendor shall perform all electrical logging operations for Seme field development drilling

Vendor shall also provide all electrical logging equipment and personnel

(l) **Boat Service**

**(SAPETRO/SEME/11/012)**

Company shall provide support boat services.

Service boats shall be suitable for Cargo Operations, Towing, etc

Boat description shall include but not limited to the followings:

- Main Engines; Total 7000-8000 BH
- Bow Thrusters: 2x11 tonnes
- Bollard Pull: 80-90 tonnes
- Fire fighting Water Monitors; 2x2000m<sup>3</sup>/hr
- Accommodation: 9-13 persons.
- Fuel Oil: Min, 800 m<sup>3</sup>
- Drilling water: Min. 500 m<sup>3</sup>
- Portable Water; Min, 80 m<sup>3</sup>
- Deck cargo: Min 150 tons.

(m) **Mud Logging Service**

**(SAPETRO/SEME/11/013)**

The scope of work shall consist primarily of mud logging services for Seme development wells,

**Supply of Mud logging Contractor shall provide the following services:**

- Supply a Mud logging Unit equipped with qualified personnel and equipment requested by Company to perform the Services
- Perform surface logging service by means of an on-line high technology system fully configurable, high definition (complete with monitor) for data acquisition, magnetic recording, displaying, paper recording and data processing in real time.

- Perform real time pore pressure prediction, sample analysis, detection including analysis and evaluation, detection of abnormal formation pressures or trends, presentation of charts containing drilling activity parameter and geological description, preparations of master log plots and reports.

**(n) Helicopter Services**

**(SAPETRO/SEME/11/014)**

Contractor shall provide Helicopter Services to support Seme Field Drilling and Completion Operations. Provide all duly qualified staff to maintain and operate the Aircraft from the Operations Base in accordance to Its Flight Operational Manual and best aviation practice.

**(o). Drilling Bits Supply**

**(SAPETRO/SEME/11/015)**

The Contractor shall supply the following including but not limited to):

Various types (PDC and Tricone) and sizes of bits that will be required to drill surface, intermediate and production hole sizes of the field development wells,

The contractor shall have capacity to provide bits that can drill different types of well trajectories (straight and deviated).

**(p). Waste Management**

**(SAPETRO/SEME/11/016)**

Waste management services shall consist of the services listed below:

Disposal of all wastes in accordance with approved Benin Government regulations including but not limited to landfill, recycling and incineration. Collection, containment transportation and re- injection of all excess mud, excess brine, spent chemicals, Eposand waste, deck runoff , waste water from bathroom and laundry, and other waste.

**(q) Supply of Wellhead and Christmas Tree**

**(SAPETRO/SEME/11/017)**

The following scope of supply is provided as a guide only Tenderer shall provide additional information where it is believed that additional value to SAPETRO can be achieved. Well shall be single completion. Christmas Tree, tubing hangers and other related components to be supplied. All wellheads, Christmas tree designs are to be fully compliant with the requirements of API specification.

The maximum working pressure and temperature of the wellheads are 5000psi and about 120 deg Celsius respectively.

**(r) Completion Services**

**(SAPETRO/SEME/11/018)**

Contractor shall provide equipment and experienced personnel to perform completions for oil wells.

Contractor will be expected to provide all engineering equipment and services required to perform completion. Well will be single completion with deviated well architecture.

**(s) Environmental Impact Assessment**

**(SAPETRO/SEME/11/019)**

Interested contractor shall have suitable equipment, technical capacity and relevant experience to carry out EIA within Seme Field location prior to planned development drilling campaign.

**3.0 Mandatory Requirements:**

To be eligible for tender exercise, interested Bidders are required to be pre-qualified in the Product/service Category (as mentioned against each tender under item 2 'Scope of Work/Service Requirements' above). Only successfully pre-qualified Bidders will receive invitation to technical and commercial tenders. SAPETRO will communicate only with authorized officers of the pre-qualified companies and NOT through individuals or agent.

**Note:** Interested bidders shall be required to submit 1 electronic copy (CD) and 1 hard copy In a sealed envelope with number of the respective service clearly marked on the top right hand side of the envelope. The full name and address of the responding company or entity must be clearly marked on the submittals. Pre-qualification packages shall be addressed to either of the following addresses:

1. South Atlantic Petroleum Limited

11th Floor, South Atlantic Petroleum Towers

1, Adeola Odeku Street, Victoria Island, Lagos

**Attention: The Deputy Managing Director**

2. South Atlantic Petroleum Benin SA

Lot H 27, Les Cocotiers, Cotonou

Republic of Benin

**Attention: The Country Manager**

#### **4.0 Requirements**

1. Company's Health, Environmental and Safety Policy including emergency contingency plan, medical and security evacuation plan and safety performance records indicating fatalities, lost time incident rate and total recordable incident rate during the last three (3) years (2008,2009 and 2010).
2. Contractors Drug and Alcohol Policy,
3. Company profile including Shareholding and organizational structure, names and resumes for key contacts/professional personnel, with phone numbers and email addresses.
4. Evidence of work experience on at least five projects performed in the last 5 (five) years, with names of Operators' representatives that can be contacted to verify work history.
5. Certificate of Incorporation.
6. VAT Certificate



7. Financial details, Audited account for the last three (3) years and evidence of financial support from reputable bank or institution.

8. Verifiable evidence of payment of taxes for the last three (3) or the duration of the business (company Income Taxes, Tax Clearance receipts and other statutory fees).

**Please note:**

- THIS IS NOT AN INVITATION TO TENDER. Notwithstanding the submission of pre-qualification information, COMPANY is neither committed nor obliged to include any company on any bid list or to award any contract to any company and/or associated company subcontractors or agents.
- COMPANY reserves the right to reject any and/or all prequalification packages,
- All cost incurred in preparing any response to this Pre-qualification invitation shall be to the bidder's accounts.

**Close Date**

Submission of interest shall close on the 24th of May 2011. Any pre-qualification package submitted after the deadline will be disregarded.

**Management**

South Atlantic Petroleum Limited,

1 Adeola Odeku Street,

Victoria Island, Lagos.