

**WEST AFRICAN EXPLORATION AND PRODUCTION COMPANY LIMITED (WAEP)  
TENDER OPPORTUNITY: PROVISION OF PRESSURE VOLUME TEMPERATURE (PVT)  
ANALYSIS AND SAMPLING STUDIES IN KALAEKULE FIELD (OML 72)**



**TENDER REF: WAEP-PCM-DRT-0003-R01  
NipeX Tender No. WAEP0000001**



**1.0 Introduction**

WAEP hereby announces to interested and prequalified companies an upcoming tendering opportunity for the Provision of Pressure Volume Temperature (PVT) Analysis and Sampling Studies in Kalaekule Field for WAEP. The proposed contract will commence in Q4, 2020 and remain active for two (2) years duration, with an option of a one (1) year extension option.

Please visit the Nigerian Petroleum Exchange Portal [www.nipex-ng.com](http://www.nipex-ng.com) for further details.

**2.0 Scope of Work**

The scope of work for the planned PVT Analysis and Sampling Studies shall involve a 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 well site services
- Sample validation of subsurface and surface samples
- Compositional analysis and Recombination which includes: Compositional measurement of separator liquid sample to C36+ by atmospheric separation at 50°C and gas/liquid chromatography techniques, calculation of well stream 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 C36+, 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, CO2, sp. Gravity, molecular wt.).
- Hydrocarbon Fingerprint (up to C30).
- Determination of mud contamination.
- Oil and Gas Sample bottle rental.

**3.0 Mandatory Requirements**

1. To be eligible for this tender exercise, interested contractors are required to be pre-qualified as service vendor in the Product Group **Reservoir Evaluation Services Product/Services categories 3.12.03 (Reservoir Evaluation Services and 3.04.32 (Fluid/Bottom Hole Sampling Services)** 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 <http://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 and 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 prequalification process, access [www.nipex-ng.com](http://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 as provided for by NCDMB.

**4.0 Nigerian Content Requirements**

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.

Vendors are to demonstrate strict compliance with the provisions of Nigerian Oil & Gas Industry Content Development Act 2010 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 including Memorandum and Article of Association.
- 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.
- Provide evidence of Nigerian Content Equipment Certificate (NCEC) from Nigerian Content Development & Monitoring Board (NCDMB) or evidence of the application of the certificates
- 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 NOGICD Act for Geological Evaluation Services (Organic Geochemistry, Petrology, Diagenesis, Geostratigraphy, Fluid Characterization, PVT, Core Analysis, Flooding), under the Exploration, Subsurface, Petroleum Engineering and Seismic category of the Schedule of the Act.

Bidders' failure to comply with the NOGICD Act or demonstrate commitment to Nigerian Content development will result in Bidder's disqualification.

**5.0 Closing Date:** Only Tenderers who are registered in the NJQS Product Group **Reservoir Evaluation Services Category 3.12.03 and Fluid/Bottom Hole Services Category 3.04.32** as at 21st of May 2020 being the advert close date shall be invited to submit Technical bids

**6.0 Additional Information**

- Failure to provide any of the listed documents or information may automatically disqualify the Supplier.
- 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 WAEP 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 WAEP and/or any of its partners by virtue of such companies having been prequalified in NJQS.
- WAEP will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or Agents.
- This advertisement of "Invitation to tender" shall not be construed to be a commitment on the part of NNPC/WAEP to award any form of contract to any company and/or associated companies, sub-contractors or agents; nor shall it entitle any company submitting documents to claim any indemnity from NNPC/WAEP and/or any of its partners. NNPC/WAEP reserves the right to take final decision on any of the documents received in the pre-qualification/ Technical package
- This advertisement shall neither be construed as an Invitation to Tender (ITT) nor a commitment on the part of WAEP to award a contract to any supplier and/or associated companies, sub-contractors or agents.
- This advertisement shall not entitle prequalified companies to make any claims whatsoever; and/or seek any indemnity from WAEP and/or its partners by virtue of such companies having been prequalified in NJQS.

Please visit NipeX portal at [www.nipex-ng.com](http://www.nipex-ng.com) for this advert and other information. Also note that this contract will be progressed through NipeX system.

- The ITT and any further progression of this tender shall be via NipeX. Interested bidders are therefore advised to ensure that their profiles in NipeX are active with a valid official email address accessible by their organization as this shall be the only means to transmit the ITT.
- Tendering process will be the NNPC contracting process requiring pre-qualified companies to submit technical tender first. Following a technical review, only technically and financially qualified contractors will be requested to submit commercial tenders.
- Man hour figures for Capital Project Portfolios are estimates to provide definition to the scope and do not constitute guaranteed quantities.
- COMPANY will only recognize and correspond with duly authorized officers of the pre-qualified bidders and NOT through individuals or agents acting on their behalf.
- Interested contractors should note that xxx has very cordial relationship with the host communities of the sites where these services will be performed based on existing Memorandum of Understanding (MOU). Prospective contractors will be required to implement the obligations of the MOU as part of their contract.