



# GHANA NATIONAL GAS COMPANY LIMITED REQUEST FOR PROPOSAL

## INTERNATIONAL COMPETITIVE TENDER (ICT)

CONSULTANCY SERVICES TO CONDUCT ABOVE-GROUND POTENTIAL SURVEY FOR THE ONSHORE GAS TRANSMISSION PIPELINE IN THE WESTERN REGION – CONTRACT NO. : GNGC/PS/0019/17

### 1.0 Introduction

Ghana National Gas Company intends to use part of its 2017 budget to invite eligible firms to submit Proposals for the Consultancy Services to conduct Above Ground Close Interval Potential Survey (CIPS) for the Onshore Gas Transmission Pipeline in the Western Region as part of its Pipeline Integrity Management Plan specified in ASME B31.8S (2004). This is necessary to control and repair the pipeline internal and external defects, thereby preventing the pipeline from degrading.

Tendering will be conducted through International Competitive Tendering (ICT) procedures specified in the Public Procurement Act, 2003 and in the Guidelines of the Public Procurement Authority (PPA) of the Republic of Ghana as amended from **Thursday, 22<sup>nd</sup> June, 2017**.

### 2.0 Objectives

The objectives of this assignment are:

- To check the Cathodic Protection (CP) performance and detect pipeline coating defects by conducting an above ground CIPS.

### 3.0 Scope of Service

The scope of services for the ILI and the above-ground CIPS are highlighted in this section.

**3.1 Above-ground Close Interval Potential Survey (CIPS)** Below is the summary of tasks and responsibilities for the Potential Survey required to check the Cathodic Protection performance and identify coating defects of the onshore gas pipeline:

#### a) Provision of Equipment

- This includes the following but not limited to data Logger, CIPS Probe Handles, Copper Sulphate Reference Probes, Left and Right Hand Quantum Connection

Lead, 120/240V Battery Chargers and battery Pack, CIPS Probe Handle Connection Leads, Special Wooden Probe Tips, Probe Tip Washers, Probe Tip Holders, PTFE Sealing Tape, Probe Filler Bottle, Copper Sulphate Crystals, Program CD, Dispenser Frame & Harness Unit, Wire Reel Holding Spindle.

#### b) Engagement of specialized and certified personnel (see Evaluation criteria 5.3iii).

#### c) Conduction of ON/OFF potential survey along pipeline route.

- ON and OFF Potential readings will be taken 2-3ft interval along the pipeline route.

#### d) Evaluation of results and production of Reports.

- Results should be displayed as voltage against distance plots.

The method of selection will be Quality & Cost Based Selection (QCBS).

### 4.0 Mandatory Documents Required

The following information is required for the Tender:

- The firms shall submit a Company profile and Business Registration Certificate and Certificate of Incorporation.
- Profile of your local representative in Ghana (in compliance with the Petroleum Commission Local Content and Local Participation Regulations, 2013 (L.I. 2204) where applicable).
- Valid SSNIT and GRA Clearance Certificates shall be provided for local firms.
- 3 years most recent Audited accounts.
- Tender Security of 2% quoted Tender price from a reputable bank.
- List of Clients and references for whom the Service Provider is executing similar services or has previously provided similar services.

### 5.0 Submission of Proposals

A complete set of Request for Proposal may be purchased by interested and qualified Tenderers from the Finance Department on submission of a written application to the Ag. Chief Executive Officer at the address (1) below, and upon payment of a non-refundable fee of Two Thousand and Five Hundred Ghana Cedis (GHC2,500.00) / Five Hundred United Dollars (US\$500). Payment should be made by bank draft in favour of "Ghana National Gas Company Limited".

(1) THE AG. CHIEF EXECUTIVE OFFICER, GHANA NATIONAL GAS COMPANY LIMITED,  
P.O. BOX CT. 3686, CANTONMENTS, ACCRA.

Additional information may be obtained from the Head of Procurement on Telephone No.: +233-302-744207 between 8:30 a.m. and 4:30 p.m. (Monday – Friday) or by e-mail: procurement@ghanagas.com.gh

6.0 All Proposals must be accompanied by a Tender security of 2% of the total Tender price from a reputable bank.

Proposals must be delivered to the Procurement Department of Ghana Gas located at the No.10 Drake Avenue, Airport Residential Area, Airport, Accra on or before 11,00 hours GMT on Thursday, 17<sup>th</sup> August, 2017. Late submissions shall be rejected.

## CONSULTANCY SERVICES TO CONDUCT 7 IN - LINE INSPECTION (ILI) FOR THE ONSHORE GAS TRANSMISSION PIPELINE PIGGING IN THE WESTERN REGION – CONTRACT NO. : GNGC/PS/0018/17

### 1.0 Introduction

Ghana National Gas Company intends to use part of its 2017 budget to invite eligible firms to submit Proposals for the Consultancy Services to conduct 7 In-Line Inspection (ILI) for the Onshore Gas Transmission Pipeline in the Western Region as part of its Pipeline Integrity Management Plan specified in ASME B31.8S (2004). This is necessary to control and repair the pipeline internal and external defects, thereby preventing the pipeline from degrading.

Tendering will be conducted through International Competitive Tendering (ICT) procedures specified in the Public Procurement Act, 2003 and in the Guidelines of the Public Procurement Authority (PPA) of the Republic of Ghana as amended from **Thursday, 22<sup>nd</sup> June, 2017**.

### 2.0 Objectives

The objectives of this assignment are:

- To clean and obtain the footprint of the internal and external surface of the pipeline using cleaning and intelligent pigs.

### 3.0 Scope of Service

The scope of services for the ILI and the above-ground CIPS are highlighted in this section.

#### 3.1 Pigging / In-Line Inspection (ILI)

- The General Scope of Work / Services for the In-Line Inspection of the 111.5km On-shore Gas Transmission Pipeline shall include but not limited to:

- Provision of Equipment
- Provision of Smart Launch Pig facilities for the 1.5km non-piggable Pipeline from the TRMS to VRA Tie-in point or guided wave UT pipeline wall thickness detection or acceptable technology.
- Engagement of Specialized and Certified Personnel (signed CVs mandatory).
- Execution of the Pig Train Runs.
- Evaluation of results, reporting preparation, and provision of software package for data assessment.
- Develop Scope of Works / Services for remedial works.

The Detailed Scope of Work / Services for the In-Line Inspection (ILI) of the 111.5km onshore gas transmission pipeline shall include but not limited to the:

- Provision of equipment including:
  - Gauge pig to prove the minimum bore of the pipeline.
  - Cleaning pigs to the internal surface of the pipeline.
  - Magnetic Flux Leakage (MFL) high resolution intelligent pig to detect internal and external pipeline volumetric metal loss.
- Inertia Measurement Units (IMU) attached to MFL pig to map the coordinates of the buried pipeline.
- Provision of Smart Launch Pig facilities for the 1.5km non-piggable pipeline from the **Takoradi Regulatory Metering Station (TRMS) to Volta River Authority (VRA) Tie-In Point** at Aboadze in the Western Region of Ghana.
  - Option 1** - Engineering design of tie-in flange for smart launch pig.

- Tie-in connection of pig launcher and receiver flange or

- Option 2** - Provision of UT guided wave technology.

- Option 3** - Acceptable technology.

#### c) Engagement of Specialized and Certified Personnel.

- ILI personnel must comply with qualification and certification requirements in ANSI/ASNT

- ILI-PQ-2005 Standard.

- HSE Personnel must have either the requisite certification, and experience to execute the work.

#### d) Execution of the Pig runs.

- On-stream and shutdown conditions shall be assessed.

- Gauge pig followed by cleaning pigs before ILI tools is run.

#### e) Evaluation of results and production of Reports and software packages for data assessment.

- Training of two (2) Ghana Gas personnel on the use of the software. The method of selection will be Quality & Cost Based Selection (QCBS).

### 4.0 Mandatory Documents Required

The following information is required for the Tender:

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- Profile of your local representative in Ghana (in compliance with the Petroleum Commission Local Content and Local Participation Regulations, 2013 (L.I. 2204) where applicable).
- Valid SSNIT and GRA Clearance Certificates shall be provided for local firms.
- 3 years most recent Audited accounts.
- Tender Security of 2% quoted Tender price from a reputable bank.
- List of Clients and references for whom the Service Provider is executing similar services or has previously provided similar services.

### 5.0 Submission of Proposals

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6.0 All Proposals must be accompanied by a Tender security of 2% of the total Tender price from a reputable bank.

Proposals must be delivered to the Procurement Department of Ghana Gas located at the No.10 Drake Avenue, Airport Residential Area, Airport, Accra on or before 14.00 hours GMT on Thursday, 17<sup>th</sup> August, 2017. Late submissions shall be rejected.