



CHEVRON NIGERIA LIMITED

R. C. 6135

A Chevron Company

OPERATOR OF THE NNPC/CHEVRON JOINT VENTURE



TENDER OPPORTUNITY

PROVISION OF UNMANNED AERIAL SURVEILLANCE (UAS) TECHNOLOGY FOR PIPELINE RIGHT OF WAY (ROW) SURVEILLANCE

NipeX Tender: CNL.00000285

1. INTRODUCTION:

Chevron Nigeria Limited invites interested and prequalified companies for this tender opportunity for the provision of Unmanned Aerial Surveillance ("UAS") technology for pipeline Right of Way ("ROW") surveillance. The service will be carried out across all Chevron Nigeria Limited Onshore and Offshore locations.

The Primary duration for this contract is Three Years firm plus One Year option to renew.

2. SCOPE OF WORK:

The successful contractors will provide Unmanned Aerial Surveillance ("UAS") technology for pipeline Right of Way ("ROW") surveillance for CNL. The scope of work for the services shall primarily include but is not limited to the following:

- Conduct aerial surveillance using Unmanned Aerial Systems (UAS) at Escravos (Onshore and offshore) areas to enhance surveillance and detection of security breaches on CNL pipelines, assets and right of ways.
- Deliver beyond visual line of sight (BVLOS) flight operation, including both day and night flight operations and provide real time video and still images to a central location other than the ground control station.
- The UAS shall be capable of operating up to six hours per sortie, at a range of up to 80 kilometers from the ground control station, while maintaining continuous control and communication links with the ground control station. UAS employed shall be capable of operating in light to medium rain conditions for extended periods of time.
- The UAS shall be powered by a fuel burning engine capable of operating from sea level to 10,000 feet altitude.
- Preferred launch and recovery configuration shall be vertical take-off and landing (VTOL) but other modes will be considered based on total UAS capability and maximum takeoff weight (MTOW).
- The UAS should be fitted with sensors capable of providing high-quality thermal images at night and high-definition electro-optical day and night still images and videos. Images must be capable of being relayed to a ground station, in real time, over the entire patrol area.
- The UAS should be mandatorily fitted with a Mode S (In/Out) Automatic Dependent Surveillance-Broadcast (ADS-B) for airborne identification and collision avoidance.
- The system shall be capable of data analytics and image analysis to identify points of interest within the patrol area by recognizing medium to significant changes to vegetation patterns or other physical attributes of the areas of patrol. Also expected is for the system to be capable of performing image analytics using artificial intelligence (AI).

Deliverables:

The UAS shall have the following deliverables as system outputs, each aimed to serve a specific application:

1. Thermal Imagery/Electro Optical imaging (still and video footages) of onshore Right of Way (ROW) and areas up to 500 meters on both sides of the pipeline (ROW).
2. Thermal Imagery/Electro Optical imaging (still and video footages) of the offshore fields and assets.
3. Perform weekly dedicated overfly of onshore areas and assets for monitoring purposes.
4. Relay encrypted real time video and image feed from payload up to 80 km to the ground control station and the secondary monitoring stations. Videos and images shall be in readable format.
5. Perform analytics of the videos and images captured during flights using artificial intelligence (AI).
6. Maintain large storage capacity for video and still image footages.
7. A separate sensor capable of sensing ground disturbances up to 10 feet below the ground surface is desirable.
8. Mode S In/Out ADS-B for collision avoidance.
9. Perform moderate weather flight operations within the airplane safety margin.
10. Provide a stand-alone weather station (Vantage Pro2 Plus or higher grade) to support UAV flight operations.
11. Provide handheld Very High Frequency ("VHF") radios for air traffic monitoring and coordination.

These services must be provided in strict accordance with Company's established Standard Operating Procedures with a strong emphasis on safety and protection of people and the environment.

3. MANDATORY TENDER REQUIREMENTS:

A. To be eligible for this tender exercise, interested bidders are required to be **prequalified and "live"** in the **3.18.05 (Security Services) or 1.16.01 (Security Equipment and Accessories)** categories of the NipeX Joint Qualification System (NJQS) database. All successfully **pre-qualified and "live"** bidders in these categories by the bid close date will receive Invitation to submit Technical and Commercial Tender (ITT).

B. To confirm if you are pre-qualified and view the product/service category you are listed for: Open www.vendors.nipex-ng.com and **access NJQS with your log in details. Click on Products/Services tab to view your status and product codes.**

C. If you are not listed in the product service category and you are registered with NUPRC to do business in this category, please contact NipeX office at 27b Oyinkan Abayomi Drive, Ikoyi Lagos with your NUPRC certificate (formerly called DPR Certificate) as evidence for verification and necessary update.

D. To initiate and complete the JQS prequalification process, access www.nipex-ng.com click on services tab followed by NJQS registration.

E. To be eligible, all tenders must comply with Nigerian Content requirements in the NipeX system.

4. NIGERIAN CONTENT REQUIREMENTS:

Chevron Nigeria Limited is committed to the development of the Nigerian Oil and Gas business in observance with the Nigerian Oil and Gas Industry Content Development Act 2010 (NOGICD Act) enacted by the Federal Government of Nigeria in April 2010.

Pursuant to enactment of the NOGICD Act, the minimum Nigerian Content in any project, service or product specification to be executed in the Nigerian Oil and Gas Industry shall be consistent with the level set in the schedule of the Act and any other target as may be directed by the Nigerian Content Development and Monitoring Board (NCDMB).

Contractors shall comply with the provisions of the NOGICD Act and all applicable regulations. Bidders that do not meet the Nigerian Content criterion will not be allowed to participate in next Tender Stage

The following are the Nigerian Content requirements bidders are expected to comply with in their technical bid submission.

1. Tenderer shall demonstrate evidence of being a Nigerian indigenous company having greater than 51% Nigerian shareholding. Provide evidence of company Ownership Structure forms CO2 and CO7, registration on NOGIC JQS and NUPRC certificate.
2. Provide evidence of what percentage of your key management positions is held by Nigerians and what percentage of the total workforce are Nigerians.
3. Detailed description of the location of in-country committed facilities & infrastructure (Administrative/Technical offices, Laboratory, Workshop) in Nigeria to support this contract.
4. Tenderer shall comply with the latest approved version of NCDMB Human Capacity Development (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 Oil & Gas Trainers Association of Nigeria (OGTAN) registered trainer(s) or other approved NCDMB training institution(s).
5. Provide evidence of at least 50% Nigerian ownership of equipment as stated in the scope of work and evidence of Category 1,2,3, 4 or 5 Services and Support (SS) Group Nigerian Content Equipment Certificate Registration (NCEC) demonstrating at least 50% Nigerian Ownership of equipment to be deployed in the execution of the work scope.

5 CLOSE DATE:

Only bidders who are registered with NJQS Product/Category **3.18.05 (Security Services) or 1.16.01 (Security Equipment and Accessories)** by **16:00 Hours, 29 MAY 2024** being the advert close date shall be invited to submit technical bid.

Additional Information:

1. Suppliers eligible for this tender opportunity are expected to be prequalified in NJQS under this product/service category.
2. The Invitation to Tender (ITT) and any further progression of this tender shall be via NipeX.
3. All costs incurred in preparing and processing NJQS prequalification shall be borne by the contractor.
4. This advertisement shall neither be construed as any form of commitment on the part of Chevron Nigeria Limited/ Affiliates and Partners 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 Chevron Nigeria Limited, its Affiliates and Partners and or any of its partners by virtue of such companies having been prequalified in NJQS.
5. The tendering process shall be the NNPC contracting process requiring pre-qualified companies to submit technical tenders first. Following a technical review, only technically and financially qualified contractors will be requested to submit commercial tenders.
6. Chevron Nigeria Limited will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or Agents.

ES/NCDMB/CNL/ADV/UPD/230224/PROVISION OF UNMANNED AERIAL SURVEILLANCE (UAS)

Please visit NipeX portal at www.nipex-ng.com for this advert and other information.