CHEVRON NIGERIA LIMITED
R. C. 6135
OPERATOR OF THE NNPCL/CHEVRON JOINT VENTURE

TENDER OPPORTUNITY
PROVISION OF QRA STUDIES, BSA, EERA SERVICES
NipeX Tender No – CNL.00000283

1. INTRODUCTION:

Chevron Nigeria limited plans to engage the services of qualified contractors to provide Consequence Modeling and Quantitative Risk Assessment (QRA), which include an assessment of Escape and Evacuation (EERA) and the emergency system (ESSA) for all its operational areas on call out basis.

2. AREA OF COVERAGE:

The areas in scope include all Chevron Nigeria Mid-Africa BU (NMA BU) facilities in JV Operations.

The services are estimated to commence 3rd Quarter of 2024 with a proposed contract term for applicable facilities five (5) years with an option of two (2) year extension.

3. SCOPE OF WORK:

The scope of work for the services includes but not limited to the following:

A. Frequency Assessment
The Frequency Assessment include the following stages:
- Parts count –Parts counts will be based on the CORSA pre-defined assemblies, so the vendor will only need to define the isolatable section. Release points are also pre-defined in CORSA according to the equipment assemblies in use.
- Initiating event frequencies – Release frequencies from the major equipment assemblies are calculated by CORSA for four-hole sizes between 3mm and 100m.
- Event tree analysis – CORSA pre-defined event trees will be used to quantify the risk.
- Escalation analysis – Customization of the rule-sets to identify the potential for event escalation, where this could provide incremental risk to humans, the designated Temporary Refuge, or the facility.

B. Escape, Evacuation and Rescue Analysis
This task will evaluate the escape, evacuation, and rescue procedures and systems for the facility and demonstrate whether personnel can reach a safe haven in the event of major accident scenario, and subsequently evacuate the facility if required. The analysis shall verify that the protection offered by the Temporary Refuge (TR) ensures it provides sufficient time to complete a safe escape and evacuation from the facility.
The survivability of the TR and impairment frequency and the efficacy of the various escape routes will be determined using the results from the previous tasks including the detailed consequence modeling. CORSA includes this ability in its coding.

C. Process Safety Assessment for Occupied building
This task will model the worst credible consequences to evaluate capability of each building potentially exposed to process event to provide occupant protection from risk associated with potential external fires, explosion, smoke, flammable gas, and toxic material release. The term building applies to permanent and portable buildings consistent with the definition of API 752, API 753, and API 756. These will include buildings that may become occupied during emergency. e.g., Temporary Refuge or remain occupied during emergency e.g., control room. The potential consequences should include.
- Exposure to flammable vapor clouds
- Exposure toxic vapor clouds
- Exposure to explosion overpressure
- Exposure to thermal radiation from fire
- exposure to smoke from fire

D. Risk Quantification
The following risk measures will be required to satisfy the requirements of the Chevron Risk Management Procedure (Riskman2) as a minimum
- Location Specific Individual Risk
- Individual risk of fatality to personnel, accounting for distribution across the facility and occupancy for different worker groups
- Societal risk in the form of F-N curves, corresponding to the frequency of having an accident leading to 'N' or more fatalities, up to the total number of people (including daytime and nighttime shifts and allowance for periods of enhanced occupancy such as drilling activities)

4. MANDATORY TENDER REQUIREMENTS:

A. To be eligible for this tender exercise, interested bidders are required to be **pre – qualified and 'live'** in the **3.02.03 (Risk Analysis Consultancy)** category in NIPEX Joint Qualification System (NJQS) database. All successfully **pre-qualified and 'live'** in this category by the bid close date will receive Invitation to Tender (ITT).

B. To determine if you are pre-qualified and to 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 this product/service category, and you are registered with NUPRC to do business for this category, please contact NipeX office at 27b Oyinkan Abayomi Drive, Ikoyi Lagos with your NUPRC certificate as evidence for verification and necessary update.

D. To initiate the JQS pre-qualification process, please access **www.nipex-ng.com** click on services tab followed by NJQS registration.

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

4. NIGERIAN CONTENT REQUIREMENTS:

Chevron 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.

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

A. Demonstrate that entity is a Nigerian registered company with 51% shareholding capacity. Tenderer shall provide evidence of company Ownership Structure form CO2 and CO7, registration on NOGIC JQS and NUPRC certificate.
B. Detailed description of the location of in-country committed facilities & infrastructure (Administrative/Technical offices) in Nigeria to support this contract.
C. Provide evidence of percentage of management that are Nigerian Nationals and the percentage of the total workforce that are Nigerians.
D. Bidders shall provide evidence of Category 1,2,3, 4 or 5 Consultancy Services (CS) group NCEC demonstrating capacity to deploy Personnel (QRA Studies, BSA, EERA Services) to execute the work scope.

Tenderer shall comply with the latest approved version of NCDMB 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 OGTAN registered trainer(s) or other approved NCDMB training institution(s).

5 CLOSE DATE:
Only bidders who are **pre-qualified and 'live'** with NJQS Product/Categories **3.02.03 (Risk Analysis Consultancy)** by **16:00 Hours, 26 June, 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 and 'live'** in NJQS under the 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 to the contractor's accounts.
4. This advertisement shall neither be construed as any form of commitment on the part of Chevron Nigeria Limited 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 and or any of its partners by virtue of such companies having been prequalified in NJQS.
5. Chevron Nigeria Limited The tendering process shall be the NNPC contracting process requiring pre-qualified companies to submit both technical and commercial tenders. Following a technical review, only technically and financially qualified contractors will progress to the next phase.
6. Chevron Nigeria Limited will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or Agents.

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