



TENDER OPPORTUNITY FOR SUPPLY OF COMPLETION GOODS AND SERVICES FOR OML 130 NIPEX TENDER REF.: 100004295

1. Introduction

Total Upstream Nigeria Limited (TUPNI) operator of the OML 130 asset issues a tender opportunity to interested and reputable Contractors with suitable equipment and relevant experience for consideration to tender for the provision of Downhole Completion Equipment and Services for its Deep Offshore OML130 operations.

The tender shall result in the award of a single contract for both upper and lower completions:

2. Brief description of Work Scope and Specifications

The scope of work shall consist of providing all upper and lower completion equipment and associated services for intelligent and non-intelligent well completions on Preowei reservoirs.

Preowei: The Preowei field consists of Eighteen subsea wells with water depth of 1187m to 1258m. Preowei subsea installations will be tied back to the Egina FPSO via a 29km flow line. It is proposed that the Preowei oil producer completions shall be compartmentalised into multiple zones, each zone can then be produced selectively by remotely actuated flow control valves. The architecture for Preowei wells will have 10-3/4" production casing with 9-1/2" open hole reservoir section. Lower completions shall be in 6-5/8" or 5 1/2" and Upper completions shall be in 5 1/2". Summary of Preowei completion requirements is included below.

Lower Completion:

- 5 1/2" wash down shoe
- 5 1/2" Dual Isolation wash down shoe to enable completion shoe isolation for water injector wells
- 6-5/8" stand-alone sand phase completions qualified to ISO 17824 annex A and B, Q1 to Q3, and validated as per grade V1
- 6-5/8" stand-alone, oil and water wet tracer chemical signature imbedded, screens qualified to ISO 17824 annex A and B, Q1 to Q3, and validated as per grade V1
- 5 1/2" stand-alone sand phase completions qualified to ISO 17824 annex A and B, Q1 to Q3, and validated as per grade V1
- 5 1/2" open hole gravel pack sand phase completions qualified to ISO 17824 annex A and B, Q1 to Q3, and validated and validated as per grade V1 with accessories to enable the following:
 1. Alternate path technology to guarantee proppant placement in up to 5000 ft open hole horizontal drains
 2. 4" wash pipe pressure relief system
 3. All other open hole gravel pack accessories not mentioned
- 5 1/2" stand-alone screens qualified to ISO 17824 annex A and B, Q1 to Q3, and validated as per grade V1 with mechanically shift-able sleeves qualified to ISO 14310 V3 to V0.
- Shifting keys to shift sleeves open and close on wireline and/or coiled tubing mode
- Time, pressure and fluid sensitive or dependant swell-able packers for zonal isolation qualified to ISO 14310 V3 to V0
- 6-5/8" by 5 1/2" Quick connect sub
- 6-5/8" gravel pack or cake breaker fluid circulation sleeve with 6" seal bore to enable high rate circulation
- 5 1/2" reservoir isolation valve qualified to ISO 28781 V3 to V1
- 10-3/4" Sand control packer qualified to ISO 14310 V3 to V0
- Electronic programmable tubing pressure, motion and time sensitive actuated control devices for opening and closing downhole valves and sliding sleeves of all types
- Standardized pups and crossovers as required
- 10-3/4" Liner hangers systems qualified to ISO 14310 V3 to V0

Upper completion:

- 5-1/2" upper completion
- Hydraulically actuated choke type and "on/off" flow control valves qualified to ISO 14310 V3 to V0 in 6-5/8" or 5 1/2" lower completion.
- Multi-Shot upper completion landing shear-able sub
- 10-3/4" X 5-1/2" production packer qualified to ISO 14310 V3 to V0
- 5-1/2" Single line triple gauge system, two gauges (for redundancy) measuring tubing pressure/temperature for reservoir management, and one gauge measuring annulus pressure/temperature for well integrity management
- 5-1/2" single or dual control line activated safety valve qualified to ISO 10432 annex B and by an ISO/IEC 17025 and ISO 10432 annex A compliant test agency
- 5-1/2" tubing isolation valve qualified to ISO 14310 V3 to V0 for well suspension, two or single control line activation
- Appropriately sized nipples and lock mandrels qualified to ISO 16070 V3 to V0
- Electronic programmable tubing pressure, motion and time sensitive actuated control devices for opening and closing downhole valves and sliding sleeves of all types
- Standardized pups and crossovers as required

Note: Water injector well shall follow the same philosophy as for oil producer however without any requirement for hydraulically actuated selectivity.

All lower and upper completion equipment for both oil producer and water injector wells shall be manufactured in corrosion resistant alloys (CRA) according to requirements of NACE MR 0175 / ISO 15156.

CONTRACTOR obligations shall include the following (but not limited to):

- Provide a valid organizational organigram for the onshore support and offshore execution of SERVICES with PERSONNEL having the required experience, qualification and valid training according to CONTRACTOR qualification and training policies and in accordance with COMPANY requirement.
- Shall provide a Quality control plan (QCP) which will include a flow diagram as part of the quality management process in conformance with ISO 10005 to Company for

- Post-offshore operation support: redress and storage of equipment, post operations review meetings.

3. Mandatory Requirements

To be eligible for this tender exercise, interested suppliers are required to be pre-qualified in the **3.01.07** Drilling/Completion Engineering Services **category** of the **NipeX Joint Qualification System (NJQS)**. **All successfully pre-qualified suppliers in this category will receive an Invitation to Technical Tender (ITT).**

To determine if you are pre-qualified and view the product/service category you are listed for; open <http://vendors.nipex-ng.com/> and access NJQS with your log-in details, click on 'Continue Joint Qualification Scheme tool', then on 'Check my supplier status' and then click 'Supplier product group'.

- a) If you are not listed in the product/service category but you have registered with the Department of Petroleum Resources (DPR) to do business in the Nigerian Oil & Gas Industry, contact the NipeX administration office at 8/10 Bayo Kuku Road Ikoyi Lagos with your DPR certificate as evidence for verification and necessary update.
- b) To initiate the NJQS pre-qualification process, access www.nipex-ng.com to download the application form, make necessary payments and contact NipeX office for further action.
- c) To be eligible, all tenders must comply with the Nigerian content requirements in the NipeX system.
- d) Only Nigerian indigenous service companies having verifiable Nigerian equity shareholding of 51% and pre-qualified in the **3.01.07** Drilling/Completion Engineering Services **category** of the **NipeX Joint Qualification System (NJQS)** shall submit bids for this tender.

4. Nigerian Content

TEPNG is committed to the development of the Nigerian Oil and gas business in compliance with the Nigerian Content Act 2010 for Nigerian Content Development.

As from the commencement of this 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 targets as may be directed by the Nigerian Content Development and Monitoring Board (The Board)

Tenderer(s) shall comply with all the provisions of the Nigerian Content Act that relate to this advert and in particular comply with the minimum Nigerian Content percentage for the scopes which are covered in the Schedule of the Act. This also includes and any other requirement that may arise from time to time not explicitly stated in this advert but which apply to the services in fulfillment of the Nigerian Content Act, in the submission of their Tender.

Failure to fully comply with the Nigerian Content Act or demonstrate commitment to Nigerian Content Development Policy of the Nigerian government shall result in the disqualification of the tenderer from the bidding process.

As part of their submissions, Tenderer shall:

- a) Develop a Nigerian Content Plan (NCP), which shall explain the methodology of how it intends to comply with the requirements of the Act and how to achieve the set target(s) in the Schedule of Nigerian Oil & Gas Industry Content Development Act and any targets set by The Board.
- b) Develop a Research & Development Plan which shall explain the methodology of how it intends to promote education, attachments, training, research and development in Nigeria in relation to the contract.
- c) Develop a Technology Transfer Plan which shall explain the methodology of how it intends to promote the effective transfer of technologies from alliance partners to Nigerian individuals and companies.
- d) Develop an employment and training plan which shall explain how first considerations shall be given to employment and training of Nigerians in work programme on the contract, hiring and training needs with a breakdown of the skills needed and anticipated skill shortage in the Nigerian labour force including the training and understudy program for succession planning.
- e) Submit a plan for how you intend to give first consideration to services provided from within Nigeria with a list of work packages, 3rd party services and subcontracts that should be reserved for Nigerian indigenous contractors and those for Community Contractors including the list of services that will be provided by companies of Nigerian origin.
- f) Details of in-country procurement plan and Binding MOA to source goods and materials not limited to with names and addresses of the Nigerian suppliers.
- g) Demonstrate that the entity is a Nigerian registered company by providing details of company ownership and shareholding structure. Also provide form CO2 and CO7, evidence of registration on NOGICD JQS. Where applicable, evidence of the Partnership/JV Agreement (where applicable) between Indigenous Company and their alliances with duly signed exclusive binding Memorandum of Agreement by the CEO of the entities in the alliance.
- h) Provide detailed description of the location of in-country committed facilities & infrastructure (assets, equipment, technical office, and administrative space, storage, workshop, assembly area, repair & maintenance, testing, laboratory, etc) in Nigeria to support this contract or submit a credible and verifiable plan towards setting.
- i) Provide evidence (Purchase receipt, Bill of Landing etc.) of at least 50% Nigerian ownership of equipment.
- j) In line with the NCD Human Capacity Development Initiative, Bidder shall commit 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).
- k) Submit Tenderer's corporate organizational and project/contract specific organogram. CV's of all personnel as listed in the project organogram should be submitted. For any position to be occupied by expatriate, tenderer shall provide evidence to obtain expatriate quota approval granted by NCDMB before any expatriate is deployed to execute this work scope".
- l) Tenderer shall be expected to submit verifiable evidence of the OEM's Nigerian Content Equipment Certificate (NCEC) issued by NCDMB during the technical phase of bidding.

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approval. This QCP shall contain agreed equipment manufacture/ production and testing route and third party inspection points for Company and contractor.

- Completion project preparation and management, including detailed completion engineering design. The design requirements shall include but not limited to methods, assumptions and calculations, and shall include those criteria for size, test, working and operating pressures, materials, environment (temperature limits, chemical) and other pertinent requirements upon which the design is based. Design documentation shall be reviewed and verified by a qualified individual other than the individual who created the original design.
- Perform a Failure Mode, Effects and Criticality Analysis (FMECA) on all equipment to be supplied in accordance with Company requirements and with the relevant international standard.
- The manufacture and supply of upper and lower completion equipment for oil producer and water injector wells including backup by Q4 2020 in compliance with API SPEC Q1 and ISO 14001.
- Ensure that all required equipment is available in a timely manner, fully prepared, tested and commissioned as required and in first class condition in accordance with the requirements of the applicable operating manuals, operating instructions and of the latest regulations.
- Importation/exportation and all related custom activities and expenses.
- Onshore preparation of equipment (including COMPANY supplied items): Inland transportation and storage, assembling, testing, loading out of the equipment and COMPANY supplied items for offshore operations.
- Ensure that all equipment and products shipped offshore are packaged and slinged in accordance with COMPANY requirements.
- Provision of back up equipment, spare parts and consumables necessary for all operations.
- Providing specialist assistance offshore during drilling/completion or well intervention operations.
- Providing an Engineering follow-up during the completions - analyse the problems encountered in the delivery of SERVICES, propose and implement corrective measures to avoid problem of re-occurrence and propose, when practical, new procedures, tools or equipment that would improve the operational and HSE performance.
- Providing the SERVICES in a safe and environmentally responsible manner in accordance with CONTRACTOR's own and COMPANY's requirements and applicable regulations.

m) All bidders during tendering shall demonstrate how the NC targets of the NOGICD Act would be achieved in accordance with the services.

NOTE: Failure to comply with the provision of the Nigerian Content Act 2010 or to demonstrate commitment to the development of the Nigerian Content Policy shall result in the disqualification of the tenderer from the bidding process.

5. Additional Information

- a) Failure to provide any of the listed documents or information may automatically disqualify the tenderer.
- b) All costs incurred in registering and prequalifying for this and other service categories in NJQS shall be borne solely by the Contractors/suppliers.
- c) This advertisement shall neither be construed as an invitation to Tender (ITT) nor a commitment on the part of TEPNG to award a contract to any supplier and/or associated companies, subcontractors or agents.
- d) 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.
- e) Tendering process will be the NNPC contracting process requiring pre-qualified companies to submit both technical and commercial tenders together. Following a technical review, only commercial TENDERS from TENDERERS, who were successful during the technical evaluation exercise will be opened.
- f) Man hour figures for Capital Project Portfolios are estimates to provide definition to the scope and do not constitute guaranteed quantities.
- g) TEPNG will only recognize and correspond with duly authorized officers of the pre-qualified bidders and NOT through individuals or agents acting on their behalf.
- h) Interested tenderer(s) should note that TEPNG 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 tenderer(s) will be required to implement the obligations of the MOU as part of their contract.

6. Submission Deadline

Only suppliers, who are registered with Drilling/Completion Engineering Services (3.01.07) as at 27/02/2020, being the advert closing date, shall be invited to submit technical tenders.

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