



# NEWCROSS PETROLEUM LIMITED

## Operator of the OML 152 PSC



INVITATION TO TENDER FOR ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION, OPERATION AND MAINTENANCE FOR EARLY PRODUCTION FACILITY FOR EFE FIELD Tender No. 100005076

### 1.0 INTRODUCTION:

Newcross Petroleum Limited, Operator of OML 152 hereby invites reputable and competent Nigerian Companies with the requisite expertise, experience, skilled manpower and technology to apply to be considered for inclusion in the bid list for the above contract. The proposed contract will commence from Q3 2022. Please visit the Nigerian Petroleum Exchange Portal [www.nipex-ng.com](http://www.nipex-ng.com) for further details

### SCOPE OF WORK/SERVICE REQUIREMENTS

Engineering, Procurement, Construction, Installation, Operation and Maintenance (EPC/IO) package of a scalable, 10,000 bopd, 100 mmscfd capacity Early Production Facilities (EPF) to handle processing of OML152 Efe field hydrocarbon to be evacuated via a 45km 10" and 6" gas and oil pipeline to a third-party facility for export to onward markets under a lease arrangement for a period of 5 years with an option to buyback at the end of the fifth year. The EPF shall be scalable to allow for operating capacity flexibility with about 20% design margin.

### 2.0 SCOPE OF WORK/SERVICE REQUIREMENT

The scope of work, shall include but will not be limited to provision of the following services.

A summary of work requirement is as follows:

- Detailed Engineering Design (DED) of the Process Facilities
- Safety Studies
- Procurement and Manufacturing
- Mechanical Installation, Electrical Instrumentation and Control Hook-up
- Pre-Commissioning and Commissioning
- Operations and Maintenance
- Provision of chemicals such as de-emulsifiers, methanol, antifoam agents and other process fluids required for the operation of the facility
- Provision of fuels, oil, etc for commissioning and operation of the facility
- Mechanical Handling/haulage/Crane at site
- Open Drain Systems
- Security, safety and health support infrastructure, including medic
- Communication on site
- Effective Community Relations and Management. Manage all community issues throughout construction phase and during operations.
- Effective Project Supervision and Management

In designing the EPF, the following vital criteria will be considered:

- Compression capacity- 2 x 100% (60 mmscfd each)
- Average expected Well Head Pressure range of Efe field estimated at between 300 and 4000 psi
- Average well head temperature estimated at between 72 and 89°F
- HP separator pressure at 250-600psig
- MP separator at 100 - 300 psig
- LP separator at 14.5 - 100 psig
- Test Separator at 14.5 – 600psig
- Storage tanks (Atmospheric/gas blanket)
- Export Oil BS&W - <5%
- Maximum oil in water content- 5ppm
- Export line pressure (150 + 650) = 800psig at pump discharge

On completion of the EPF, it shall consist of the following but not limited to:

- Production Manifold with HP, IP, LP and Test headers
- Production Equipment/Machineries (continuous duty and standby Generators; including black start); Air Compressors, 3-Phase Separators (HP, MP, LP and Test), and Hydrocyclone.
- Gas Scrubbers and filter separators
- Gas Compressors
- Gas Coolers
- Export Pumps (2 + 1 Spare) (20,000bopd @ 800psi) – One (1) gas driven, two (2) electric motor driven.
- Water treatment Unit + Pumps
- Safety and Shutdown Systems (ESD)
- Interconnecting/Process Piping
- Pipeline systems
- Equipment Foundation
- Office/Control/Mess room
- Staff Accommodation
- Maintenance Workshop
- In-Plant Road works
- Utilities - fuel gas, air and water
- Fire-fighting system (Deluge and fusible plugs); smoke, gas and fire detector systems
- Storage Tanks with spark/flare arrester/breather valves of 2 x 10,000BBLs capacity
- Potable water system/storage tanks for fire-fighting, utilities, messing, office/workshop and warehouse.
- Galvanized Perimeter Fence (Citadel/Bakaert/Jackson Fence System)

### 5.0 CLOSING DATE

Only tenderers who are registered with NJQS in the Product/Service category Code 4.06.01/4.06.02 as at 1700hrs on 1<sup>st</sup> February, 2022 being the advert closing date shall be invited to submit Technical and Commercial Bids.

### 6.0 ADDITIONAL INFORMATION

This advertisement of "Tender Opportunity" shall not be construed as a commitment on the part of Newcross Petroleum Ltd, nor shall it entitle Applicants to make any claims whatsoever and/or seek any indemnity from Newcross Petroleum Ltd and/or any of its Partners by virtue of such Applicants having responded to this Advert. Newcross Petroleum Ltd will communicate only with authorized officers of the pre-qualifying companies and NOT through individuals or Agents.

Please visit the NipeX portal at [www.nipex-ng.com](http://www.nipex-ng.com) for this advert and other information.

MANAGEMENT

- Office/Control/Mess room
- Staff Accommodation
- Maintenance Workshop
- In-Plant Road works
- Utilities - fuel gas, air and water
- Fire-fighting system (Deluge and fusible plugs); smoke, gas and fire detector systems
- Storage Tanks with spark/flare arrester/breather valves of 2 x 10,000BBLs capacity
- Potable water system/storage tanks for fire-fighting, utilities, messing, office/workshop and warehouse.
- Galvanized Perimeter Fence (Citadel/Bakaert/Jackson Fence System)
- Pre-heaters
- Free Water Knockout vessel
- Precipitator Vessel
- Heater-Treater
- Others as may be recommended

- 2.1 Professional handling of all Packages, equipment, and materials during procurement, construction and installation as to prevent damages. As contractor will be fully responsible for replacement of damaged or factory defective item(s).
- 2.2 Safely carryout construction, installation and commissioning of EPF as designed in line with best practice and as directed by NPL Company Rep(s).
- 2.3 Carryout site restoration and demobilisation.
- 2.4 Submit all OEM documents and purchase details to client (soft & hard copies, asses/ license codes) as may be applicable.
- 2.5 Project documentation, as-built and close out report.

### 3.0 MANDATORY REQUIREMENTS:

- a. To be eligible for this exercise, interested Tenderers are required to be prequalified in the EPF procurement and installation NipeX Joint Qualification System (NJQS) database. All successfully pre-qualified suppliers in this category will receive a Technical Invitation to Tender (ITT).
- b. 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, click check my supplier status and then click supplier product group.
- c. If you are not listed in a product/service category, but you are registered with DPR to do business, contact NipeX office at 8 Bayo Kuku Road, Ikoyi, Lagos. with your DPR certificate as evidence for verification and necessary update.
- d. To initiate the JQS pre-qualification 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.
- e. To be eligible, all tenders must comply with the Nigerian Content requirements in the NipeX system

### 4.0 NIGERIAN CONTENT DEVELOPMENT:

- Tenderers shall be expected by the Nigerian Content Development Monitoring Board (NCDMB) to:
- a. Demonstrate that entity is a Nigerian indigenous company having more than 51% Nigerian equity shareholding in the registered entity. Tenderer shall submit certified true copies of CAC forms 10, 02 & 07
  - b. Provide detailed description of the location of in-country facilities (Equipment, storage, workshops, repair, maintenance and testing facilities)
  - c. Provide evidence of Minimum 50% equity ownership of asset & equipment to be deployed for this workscope.
  - d. Tenderers to provide evidence of category C NCEC for in-country ownership of the relevant equipment to execute scope of work.
  - e. 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).
  - f. Evidence of Registration on the NCDMB NOGIC JQS Portal.

Please note that failure to provide any of the above documentation or requirements will be a fatal flaw.

### Disclaimer:

This advertisement of "Invitation to tender" shall not be construed to be a commitment on the part of NNPC/NEWCROSS 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/NEWCROSS and/or any of its partners by virtue of such companies having responded to this advertisement.