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República Democrática de Timor-Leste Newspaper Advertisement

BAYU-UNDAN INFILL WELLS PHASE 3C PROJECT

MARINE VESSELS, SUBSEA INSTALLATION SERVICES & DRILLING SERVICES

Santos NA (19-12) Pty Ltd is the operator of the Bayu-Undan Facility, which is located in Timor-Leste offshore waters.

Recognising the relevance of this first Bayu-Undan drilling campaign to be carried out under exclusive Timor-Leste jurisdiction, Santos wishes to identify opportunities for activities to be conducted out of Timor-Leste.

In doing so, Santos is seeking expressions of interest from companies capable of providing the referenced goods or services to the Oil and Gas Industry who are a duly incorporated entity under the laws of República Democrática de Timor-Leste and who meet the minimum requirements listed.

Santos notes that the potential Bayu-Undan Infill Wells Phase 3C Project is still in the assessment phase, and this Advertisement does not bind any party to proceed with further contracting activities in respect of any of the work scopes detailed below.

Companies are invited to submit an expression of interest for any of the work scopes listed below. For each of the work scopes, a company shall, as a minimum, have the capacity and experience to provide the service and equipment requirements detailed below.

1. Marine Vessels

A number of vessels will be required to support the drilling campaign. Vessels must be available for charter between Q1 2021 and Q4 2021 and have the capacity and experience to provide the following minimum service and equipment requirements:

1.1 Anchor Handling Vessel 1

1 x Anchor handling vessel will be required to provide periodic assistance with towing and infield moves of the drilling rig and to support the offshore operations by transportation of drilling materials and equipment between onshore locations (Dili and Darwin) and the offshore facilities.

- Must have:
 - Bollard pull of minimum 100mt up to 150mt
 - DP2 with a minimum of 3 positioning reference systems
 - Deck space of minimum 650m²
 - A stern waterfall winch and Karm forks/Shark Jaw – preferable with redundancy
- Must be OVMSA compliant and have an OVID completed within the last 12 months
- Preferably with ROV capability

1.2 Anchor Handling Vessel 2

1 x Anchor handling vessel will be required to provide continuous support with towing and infield moves of the drilling rig and to support the offshore operations by transportation of stores, materials and equipment

between the onshore locations (primarily Darwin, but potentially other onshore locations e.g Dili) and the offshore facilities.

- Must have:
 - Bollard pull of minimum 100mt up to 150mt
 - DP2 with a minimum of 3 positioning reference systems
 - Deck space of minimum 650m²
 - A stern waterfall winch and Karm forks/Shark Jaw – preferable with redundancy
 - Dry bulk tanks minimum 210m³
 - Mud storage capacity 530m³
 - Brine storage capacity 400m³
- Must be OVMSA compliant and have an OVID completed within the last 12 months

1.3 Platform Support Vessel

1 x platform support vessel will be required to support the offshore operations by transportation of stores, materials and equipment between the onshore locations (primarily Darwin, but potentially other onshore locations e.g Dili) and the offshore facilities.

- Must have:
 - Deck space of minimum 750m²
 - DP2 with a minimum of 3 positioning reference systems
 - Dry bulk tanks minimum 225m³
 - Mud storage capacity minimum 750m³
 - Brine storage capacity minimum 750m³
- Must be OVMSA compliant and have an OVID completed within the last 12 months

1.4 Small Transportation Vessel

A “hot shot” vessel may be required on an ad hoc basis during the drilling campaign to transport materials and equipment between onshore locations (primarily Darwin, but potentially other onshore locations e.g Dili) and the offshore facilities.

- Must have usable deck space of minimum 50m²
- Must be:
 - A high-speed vessel (20kt minimum)
 - Able to meet a 12 hour call out window
 - OVMSA compliant and have an OVID completed within the last 12 months

2. Subsea Engineering, Procurement, Construction, Recovery, and Installation Services.

Companies must meet the following equipment and service requirements:

- Construction Vessel less than 15 years old with all the necessary equipment, facilities, and infrastructure capable of conditioning the existing subsea infrastructure ready for recovery.
- Construction Vessel less than 15 years old with capability to recover all of the existing subsea infrastructure and reinstall some of that equipment together with new infrastructure including umbilical, flexible flow line jumper, hydro-test, conduct full system tests and pre-commissioning of all subsea systems
- Engineering capability to develop conditioning, recovery installation and testing procedures to support all offshore works.



- Provide installation aids and support
- Specialist offshore personnel to provide recovery, installation, and commissioning support services.

3. Drilling Services

The following drilling services will be required during the drilling campaign:

3.1 Integrated Services Package (Directional Drilling, Logging While Drilling/ Wireline, Slickline/ Mudlogging/ Perforating Services)

Service and equipment requirements:

- Directional Drilling, Logging While Drilling Services (DD/LWD):
 - Directional or Performance Drilling and BHA equipment
 - Surface to TD surveys and Petrophysical log measurement
- Wireline, Slickline Services (WL/SL):
 - Offshore Wireline logging package & Cased hole logging tools
 - Pressure control equipment
- Mudlogging Services:
 - Offshore Mud logging package
 - Real-time data acquisition and monitoring
- Perforating Services:
 - Wireline deployed perforating guns and firing head systems.
 - Pressure control equipment.
- Specialist onshore and offshore personnel.

3.2 Compressed Air & Rig Deluge Services

Service and equipment requirements:

- Provision of high rate air compressor package Air compressors >1000cfm - Option for safe zone, Zone 2, and DNV 2.7-2 rating.
- Provision of rig deluge package, min. 3000gpm capacity - Option for safe zone, Zone 2, and DNV 2.7-2 rating.
- Specialist onshore and offshore personnel.

3.3 Drilling Fluids Services

Service and equipment requirements:

- Fully operational onshore bulk liquid mud mixing and storage plant
- Supply of bulk inventories of drilling fluids and chemicals
- Lab services for fluid and chemical analysis
- Specialist onshore and offshore personnel.

3.4 Casing Tubular Running Services

Service and equipment requirements:

- Casing handling equipment packages to run 30", 20", 13 3/8", 11 3/4", 10 3/4", 9 5/8", 7" and 4 1/2" casing sizes.



- Tubing handling equipment packages to run 9 5/8" and 7" tubing sizes with accompanying control lines.
- Specialist onshore and offshore personnel.

3.5 Integrated Tooling Package (Downhole Tools and Whipstocks/ Wellbore Clean-Up/ Fishing and Milling Services)

Service and equipment requirements:

- Downhole Tools and Whipstocks packages.
- Wellbore Clean-Up Equipment and tool packages designed for hydrocarbon 150MMscf/d max. rate, to clean-up, test and flow offshore wells.
- Downhole Fishing and Milling Tools and Services:
- Specialist offshore personnel

Companies who meet all the minimum requirements for any of the above work scopes are invited to submit their written expression of interest by email or hand delivery no later than **24 July 2020** for the attention of Reinalda Pires, Purchasing Officer.

Email address: ABUW.BayuUndanEOI@santos.com

Office address: Santos NA Timor Leste Pty Ltd, Unit 401, Level 4 -CBD 3, Dili Central Comoro/Timor Plaza Building, Dili, Dili, Timor-Leste.

Companies should note the following:

This Advertisement for Expressions of Interest (EOI) is issued pursuant to clause 10.1 of the Production Sharing Contract, in bringing these scopes of work to the attention of Timor-Leste sub-contractors.

The Treaty between Australia and Timor-Leste signed on 6 March 2018 and which came into force on 30 August 2019 and the Production Sharing Contracts require that in providing these goods/services, all interested companies shall give preference to the employment of Timor-Leste nationals and permanent residents, having due regard to safe and efficient activities and good oilfield practice.

This advertisement can also be viewed at <https://www.santos.com/procurement/bayu-undan-opportunities/>