



TRANSACTION DOCUMENT

1. SCOPE OF WORK

1.1 INTRODUCTION

The Petroleum Oil and Gas Corporation of South Africa SOC Ltd, herein after called PetroSA, own portable dive systems comprised of inspection class remote operated vehicle, mixed air dive system and a saturation dive system.

These systems were demobilized of the vessel in kept in laid-up status since 2021 with an exception that the air dive system and remote operated vehicle has continued to be used in diving intervention from time to time due to their ease of mobilization. The saturation dive system has however remained in laid-up status to date.

This scope of work serves to detail the service requirement associated with the repair and refurbishment associated with the saturation dive system.

1.2 CONTRACTOR SCOPE OF SERVICES

The scope of work for the required service shall include but not be limited to the following with the objective of bringing the dive system to class compliance and operation readiness:

- 1.2.1 Removal of auxiliaries equipment, instruments ,utilities pipework and cables from the various chambers of the saturation system
- 1.2.2 Removal of the chambers namely dive decompression chamber, Diver Transfer Chamber and hyperbaric rescue chamber from their main structural support frames
- 1.2.3 Road transportation, offloading and delivery of the dive decompression chamber and hyperbaric rescue chamber from harbour to Service Provider premise.
- 1.2.4 Random wall thickness measurement on the chambers and repair or replacement of defective wall plates in accordance with class requirements
- 1.2.5 Servicing and refurbishment or repairs where necessary of all access and viewpoints and their auxiliaries such as medilocks , chamber mating flanges, Mating flange clamp systems, viewports flanges etc

- 1.2.6 Inspection of all lifting points on the chambers and reinstating or refurbishing where necessary
- 1.2.7 Inspection of utilities access point on the chamber and rethreading if necessary . This include all view points
- 1.2.8 Exterior and interior painting of the chambers to marine specification
- 1.2.9 Refurbishment of the winch deck i.e. clump weight winches, bell winches, umbilical winch and the associated hydraulic power packs as well as the controls within the cabin
- 1.2.10 Reinstallation of chambers within its structural support frame and flange mating them together
- 1.2.11 Reinstallation of all utility pipework's, cables communication systems, view ports, medilocks, penetrators etc
- 1.2.12 Inspect and review design of Life Support and Dive Control Rooms system to latest international standard and compliance requirement and accordingly upgrade to comply
- 1.2.13 Inspect and review design of Life Support Dive Machineries (i.e Gas Reclaim System, Hot water Machine, Electrical and Environmental Conditioning Unit etc) to latest international standard and compliance requirement and accordingly upgrade to comply
- 1.2.14 Inspect and review design dive bell to latest international standard and compliance requirement and accordingly upgrade to comply
- 1.2.15 Together with PetroSA produce an optimized dive system layout for installation onboard a platform supply vessel . For quotation purposes use previous layout accompanying this scope of work
- 1.2.16 Undertake marine architectural study if need be to prove to vessel classing authority that the produced dive system layout would not compromise the vessel stability at sea
- 1.2.17 Design a dive system support structure to integrate the dive systems onto PetroSA Platform Supply vessel as per agreed layout – applicable only if vessel sourced has no dry deck
- 1.2.18 Design integrated dive system to vessel utility system (electrical, air, sewage, water etc)
- 1.2.19 Install on the vessel the dive system, integrate them and to the vessel
- 1.2.20 Undertake all necessary test and bring the dive system into commissioning
- 1.2.21 Submission of documentation and or certification for all fabrication work as well as for all equipment or auxiliaries replaced with new ones.

In the event that the Service Provider chooses to have the dive systems at its own premises to undertake all works at Service Provider premises then the following additional will apply

- 1.2.22 Book berthing, lifting services at harbour or port closest to the Service Provider area of operation
- 1.2.23 Load and transport by road dive systems from harbour to their premises.

The refurbishment, repair and installation on the dive system onto the vessel must be in compliance with international standards such as IMO, IMCA and applicable classing authority. Recommended upgrades to any of the system would have to be communicated to PetroSA for approval.

1.3 PetroSA SERVICE ASSISTANCE

PetroSA shall provide the following in assisting the service provider in his scope of work

- 1.3.1 Provision of crane services at PetroSA Mossel Bay side for lifting operations associated with chambers removal and reinstallation into its support frame
- 1.3.2 Sea freighting of the dive decompression chamber from Mossel Bay to closest South African harbour where Service Provider.
- 1.3.3 Provision of available technical documentation associated with the dive system
- 1.3.4 Provision of guidance in the obtainment of logistic vehicle access permit from Transnet port authority
- 1.3.5 Vessel onto which the dive system will be installed

1.4 PURCHASE ORDER

A purchase order will be issued to the service provider at the commencement of the agreement, and all invoices shall be submitted against this purchase order.

Purchase order number shall also be reflected on the Service Provider invoices.

Any changes to scope of works must be in writing authorised by a new or supplementary purchase order or signed variation order.

Any rework required as a result of the Service Provider's negligence shall be for the Service Provider's account. This shall include all associated costs, including materials, labour, consumables, and any required certification.

1.5 SAFETY EQUIPMENT AND APPAREL

In order to work on PetroSA side the Service Provider shall ensure that all its personnel engaged in the performance of the Service are provided as a minimum with the following safety equipment/apparel in good condition:

- Safety shoes
- Overall with long sleeves
- Hard hat
- Rain suit
- Safety gloves
- Hearing protectors
- Safety glasses
- Safety belt

All safety equipment to bear the SABS mark and be approved by the PetroSA Safety Department.

1.6 WORKING HOURS AND PROJECT DURATION

PetroSA working normal working hours are as follows

- Monday to Friday: 08:00 to 16:30 - with half hour lunch break
- Saturday, Sunday and Public Holidays: Normal day off.

The service provider must engage with PetroSA representative should they wish to undertake work at PetroSA site during Sunday and public holidays especially when such work would require certain PetroSA support services .

The Contractor shall ensure that the refurbishment of the diving system and its installation on the PetroSA-supplied vessel are completed within a maximum period of twelve (12) months, which represents PetroSA's latest acceptable completion date.

1.7 GENERAL

Any activity, work or condition not covered in this Agreement shall be negotiated and agreed on in advance with PetroSA.

Proper clean-up of worksite after completion of a specific job shall be deemed part of the job.

Any damage to PetroSA's equipment due to negligence or poor workmanship will be for the account of the Service Provider.

The Service Provider shall be responsible for the proper protection of surrounding equipment against damage whilst performing the services.

1.8 QUALITY ASSURANCE

The Service Provider shall ensure that the Services, including workmanship, products, materials, documentation required for the rendering of the Services, comply with PetroSA's Quality Assurance, Control and Certification Requirements for Manufacture, Fabrication for PetroSA **Ref EP/SHE/SD001**.

1.9 QUALITY CONTROL PLAN

The Service Provider's Quality Control Plan (QCP) shall cover all tasks identifying all witness hold points required for PetroSA and Class Authority interventions.

PetroSA as well as Classing Authority have the right to reject QCPs not compliant with the requirements of class and industry engineering standards.

1.10 SERVICE EXPERIENCE

Preference shall be given to service providers with experience in the design, build, commissioning of saturation support system and build of pressurized equipment for human occupation.

Otherwise as a minimum, service providers with experience in operating and maintaining dive systems will be considered.

1.11 REFERENCE DOCUMENTS

PetroSA shall make available to the successful service provider the necessary documentation required in the disassembly and reinstatement of the dive system utilities, cabling, etc. to its functional state.

1.12 ACCOMMODATION & TRANSPORT

No accommodation or transport will be provided by PetroSA. The Supplier shall be responsible for making its own arrangements regarding accommodation and meals and will be responsible for providing transport to its Personnel to and from the PetroSA Works. No costs will be refunded by PetroSA.