

Scope of Work

THE APPOINTMENT OF A SERVICE PROVIDER FOR THE RENTAL OF AND REFILLING OF OXYGEN CYLINDERS, TESTING AND MAINTENANCE THE OXYGEN PIPELINES SYSTEM OF SANPC REFINERY CLINIC FOR A PERIOD OF 36 MONTHS

CEF SOC Ltd (**CEF**) is a Schedule 2 state owned diversified energy company reporting to the Department of Mineral and Petroleum Resources (DMPR). SANPC Refinery (**CEF**) requires the services of refilling and maintenance of oxygen services used in life-saving emergencies and to treat a variety of respiratory conditions. Oxygen cylinders need regular maintenance and refilling to ensure they are ready for immediate use in workplace emergencies and use in Occupational Health Risk Exposure monitoring and disease prevention, as per the Occupational Health and Safety Act 85 of 1993, its Regulations and/or other legislative requirements.

SCOPE OF WORK

The scope of work is for rental of oxygen gas, testing and Commissioning the oxygen pipelines system at the SANPC Refinery Occupational Health Clinic. The service includes tasks such as

Introduction

The purpose of the tender is to appoint a service provider for:

1. The testing the central oxygen supply system
2. The Medical Gas Pipeline System
 - 2.1. Source Equipment: the gas generation systems or bulk storage units where gas like oxygen is stored.
 - 2.2. Piping Network: The pipes that carry the gases from the source to various points throughout the at SANPC Refinery Occupational Health Clinic
 - 2.3. Terminal Units: Located in clinical area, which allows for the safe and easy extraction of gases for immediate use.
 - 2.4. Alarm and Monitoring Systems: The systems provide continuous oversight of gas levels and pressures, ensuring the pipeline functions smoothly and alerting staff to any issues.
3. The refilling service or rental of oxygen cylinders.
4. Safety of cylinders and central oxygen supply system and values in compliance with relevant legislation.

- **Cylinder Integrity:** Oxygen cylinders can deteriorate over time, making refilling necessary to ensure they remain safe and effective. Oxygen cylinders must be regularly maintained and refilled to guarantee they are ready for use. This prevents the risk of using contaminated or insufficient oxygen supplies, which could be dangerous for patients.
- **Ensuring Quality:** SANPC Refinery Occupational Health Clinic should utilize oxygen refilling services that adhere to strict quality standards and safety protocols.
- **Compliance with Safety Standards:** The handling of medical-grade oxygen requiring adherence to strict safety protocols.
- **Purity:** Ensuring the oxygen gas used for refilling is of the specified purity, for medical use.
- **Filling Equipment:** Using appropriate equipment for filling cylinders, including boosters and other necessary accessories.
- **Pressure Management:** Maintaining proper filling pressures within the specified limits for the type of cylinder and gas.
- **Inspections:** Performing visual inspections of cylinders before and after refilling to identify any defects.

DEMARCATIION: SANPC Refinery OH Clinic (1 Refinery Road).

PRICE: Price must be fixed for each year over a 3-year period. Price must be inclusive of exchange (refill) of oxygen cylinders and rental payment per bottle per month

LOGISTICS: Managing the logistics of cylinder delivery, pick-up from the SANPC Refinery Occupational Health Clinic and return to same place.

- **DELIVERY PERIOD:** Refills must be delivered within 2 days after an order has been issued.
- **MAINTENANCE:** Central oxygen supply system and gas pipeline system
 - **Service to points (O-rings)**
 - **Change of regulator**

ADDITIONAL CONSIDERATIONS:

Training: Providing operators with adequate Technical and Clinical training on proper procedures, safety protocols, and emergency response.

- **Cylinder Handling and Safety:** Offer regular maintenance checks and prompt technical support, ensuring your rental and refilled device operates safely and effectively throughout your rental period.

Compliance: Adherence to relevant safety regulations, standards, and guidelines (e.g., SANS 347 and SANS 10227, industry best practices and Occupational Health, Safety Act (OHSA) and Pressure Equipment Regulations (PER). Gases are manufactured in ISO 9001 certified plants.

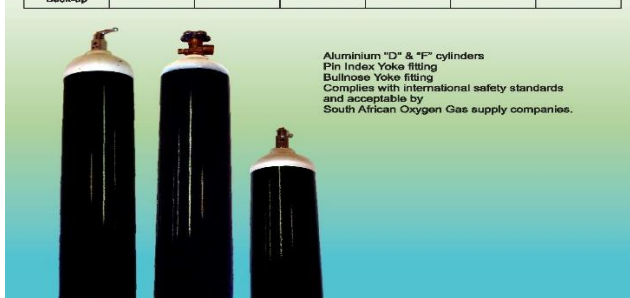
Sans 7396: Part 1 is the South African National Standard that specifies the safety, design, installation, function, performance, testing, and documentation requirements for Medical Gas Pipeline Systems (MGPS) Design, Installation & Compliance to SANS 7396 in healthcare facilities.

- **Transportation and Storage:** Safe handling, transport, and storage of oxygen cylinders, including proper racking and labelling of empty and full cylinders.
- **Record Keeping:** Maintaining accurate records of refills, including date, cylinder serial number, gas type, pressure, and the name of the person who performed the refill.

LEGAL REQUIREMENTS

- These regulations ensure safety and compliance with standards like SANS10019, which covers the design, manufacture, use, and maintenance of transportable pressure receptacles for compressed gases, including oxygen cylinders. SAHPRA also plays a role in regulating medical devices, including oxygen therapy equipment, ensuring compliance with national and international standards.
- SAHPRA ensures that medical devices, including oxygen cylinders and related equipment, meet the necessary safety, quality, and efficacy standards.
- The Occupational Health and Safety Act (Act 85 of 1993) and its related regulations, including the Pressure Equipment Regulations (PER).

	Diameter	Height	Weight (Empty)	Oxygen Litres	Water Litres	Flow @ 2L/min
Size D / Portable	11cm	61cm	3.54kg	460L	3.2L	3 Hours 45min
Size F / Back-up	14cm	82cm	7.88kg	1200L	8L	10 Hours



PRICING

REFILL OF MEDICAL OXYGEN CYLINDERS

Item no.	Description	Quantities	Duration	Monthly Rental	Total Cost
1	Rental of oxygen cylinder 0.49kg	6	36 months		
2	Rental of oxygen cylinder 0.47Kg	7	36 months		
3	Rental of oxygen cylinder 1.84Kg	7	36 months		
4	Rental of oxygen cylinder 10.2kg	2	36 months		
5	Testing and commissioning of oxygen supply system Pipeline	Once off			
6	Annual Service of points (O-rings)	2	36 months		
7	Once off replacement of regulators	2			
8	Annual maintenance central oxygen supply system Pipeline.		36 months		
Subtotal					R
Vat @ 15%					R
Total Incl Vat @15%					R

EVALUATION CRITERIA

Phase 1: Mandatory Requirements

At this phase, bidder's responses are reviewed against the below Mandatory Requirements. **Failure to comply with any of the Mandatory Requirements will lead to the bidder being disqualified and not be considered for further evaluation on Technical Requirements.**

<u>COMPANY QUALIFICATION</u>	Comply	Not Comply
Qualification for the medical gas system installer (inspector). Submit valid copy of diploma certificate or equivalent from SAQA.		
Compliance requirement standards:		
SANS 10019: A specific standard under the PER, addressing the transportable pressure receptacles for compressed, dissolved, and liquefied gases, including oxygen. Submit a valid copy of SANS certificate from with relevant regulatory body		
SANS 10228: This standard deals with the identification and classification of dangerous substances and goods, which includes oxygen. Submit a valid copy of SANS certificate from with relevant regulatory body		
SANS 10087: This standard outlines the handling, storage, and distribution of liquefied petroleum gas (LPG), and it's relevant because oxygen is an oxidant and must be stored separately from flammable gases like LP. Submit a valid copy of SANS certificate from with relevant regulatory body		

Phase 2: Technical Evaluation

Bidders will be evaluated according to the below technical evaluation criteria. Minimum Technical Threshold is **70%**. It must be noted that if the Bidder does not meet the **70%** minimum threshold, the bidder will be disqualified and not be evaluated further.

EXPERIENCE OF THE COMPANY			
The service provider must supply (as per the table below) , with contactable references, at least (5) projects undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health setting, clinic or hospital or equivalent .			
Evaluation Criteria	Document as Evidence	Score	Weighting %
Five (5) or more projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .	Contactable References	5	60%
Four (4) projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .		4	
Three (3) projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .		3	
Two (2) projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .		2	
One (01) projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .		1	
No projects were undertaken in refilling and servicing oxygen pipelines and oxygen cylinders in the last 10 years in occupational health Sites clinic or hospital or equivalent .		0	

EXPERIENCE OF THE PROJECT TEAM

The service provider's team must have a minimum average of four (4) years' experience in similar services provided to other companies listed in the deliverables of the scope of work

Note: the following scoring matrix will be used to evaluate this criterion:

Evaluation Criteria	Document as Evidence	Score	Weighting %
4 years' or more experience in similar projects	C.V.s for the proposed team clearly indicating their roles and responsibilities.	5	40%
3 but less than 4 years' experience in similar projects		4	
2 but less than 3 years' experience in similar projects		3	
1 but less than 2 years of experience in similar projects.		2	
Less than 1 years' experience in similar projects		0	