

SCOPE OF WORK FOR PATHOLOGY.

THE APPOINTMENT OF SERVICE PROVIDER TO PROVIDE STAT AND ROUTINE CLINICAL LABORATORY AND ANATOMIC PATHOLOGY SERVICES FOR SANPC REFINERY EMPLOYEES FOR A PERIOD OF THREE YEARS.

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 a clinical laboratory services to conduct occupational health risk exposure for the employees for pre-employment, routine and risk exposure assessment. Occupational Health Risk Exposure monitoring on the SANPC refinery employee's health and prevention and compliance as per OHS Act 85 of 1993 regulation and or other legislative requirements.

The Laboratory Services should provide stat and routine clinical laboratory and anatomic pathology services for SANPC Refinery employees. This Scope of Work outlines the details and objectives of blood tests to be performed for SANPC Refinery employees.

The purpose of the tests is to monitor the health of workers, ensure compliance with safety regulations, and identify potential exposure to harmful substances associated with refinery operations. The tests are aimed at assessing the employees' overall health, detecting early signs of medical conditions, and ensuring a safe work environment.

THE SERVICES OF THE CONSULTANT WILL BE REQUIRED FOR A PERIOD OF THREE (3) YEARS.

1.1. SCOPE OF SERVICES.

The Supplier shall provide the following services but not limited to:

Analyse biological samples.

- Collect the samples from the medical centre at SANPC Refinery and CEF office.
- Courier to have a container to keep the biological samples frozen.
- Deliver the reports at SANPC Refinery OH Clinic on daily basis (Monday – Friday).
- During incidents or emergencies, Supplier will be required to provide immediate service.

- Ensure that appropriate professional interpretation of results is provided within 24 hours of collection.
- Ensure that there is an appropriate record keeping system.
- Have contingency plan in place for when the laboratory is closed/not available.
- Have laboratory staff take blood samples, should it be required.
- Para film (to seal the samples), tourniquet straps and specific drug test sample bottles.
- Provide a written report detailing the normal limits.
- Provide competent interpretation of results stipulating acceptable parameters and highlighting abnormalities.
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- Provide specialist report where applicable.
- Supply urine sample bottles, blood tubes, vacutainers, vacutainer needles, parafilm (for sealing the samples), tourniquet straps, specific drug test sample bottles.
- Take samples for clinical examination.
- Arrange phlebotomist as and when required basis when large group of employees are due biological monitoring i.e. SANPC Refinery Office in Johannes.
- Respond to requests within 48 hours.

1.2. SAMPLE COLLECTION:

- Blood samples are collected by service provider and transported to service provider laboratory analysis.
- SANPC Refinery clinic sister will collect blood samples and contact service provider to collect samples for analysis.
- Laboratory Analysis: Samples are received at the service provider's medical laboratory for analysis.

1.3. BIOLOGICAL MONITORING REQUIRED TO BE PERFORMED:

The following tests should be tested as part of the work:

A. BLOOD TESTS.

- Full Blood Count (FBC)
- HbA1c
- Liver Function Test (LFT)
- Erythrocyte Sedimentation Rate (ESR)
- Urea and Creatinine with electrolytes (U&E)
- International Normalised Ratio (INR)
- Lipogram
- Cholesterol
- HIV Elisa test
- CD4 count
- Viral load
- Prostate specific antigen (PSA)
- Blood Alcohol Concentration (BAC) for medico legal purposes.
- Thyroid Stimulating Hormone (TSH).

1.4. URINE.

- Substance abuse confirmation test for medico-legal purposes.
- Benzene
- Hippuric acid.
- Formic acid.
- Methanol.
- Phenol.
- Xylene.
- Toluene.
- Hexane.
- Mercury.
- Hexane.

2.3. SPUTUM.

- Acid fast bacillus (TB).
- COVID-19 (throat swab).
- AFB culture.
- Gene expert culture.

2.4. OTHER TESTS.

- Co-testing HPV and Pap Smear.

3. LEGAL REQUIREMENTS.

- The South African National Accreditation System (SANAS) is the only national body responsible for carrying out accreditations in respect of conformity assessment, as mandated through the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act (Act 19 of 2006). **Accredited**.
- Association for Savings and Investment South Africa (ASISA) requires laboratories to be accredited and follow its HIV Testing Protocol, ensuring consistent testing methods and accurate results. **Recommended**
- The Health Professions Council of South Africa (HPCSA) training and registration status for Clinical Pathologist.

4. CONCLUSION.

The blood and urine test results will enable SANPC to comply with regulatory requirements (OHSA NO 85 of 193), by assessing actual exposure to chemicals and their potential health risks, ensuring the effectiveness of safety controls, and informing public health policies. It provides a direct measure of how much of a substance has been absorbed into the body from all sources, helping to protect individuals and guide interventions.

will provide valuable insights into the health status of SANPC Refinery employees and help identify any health risks related to occupational exposure. The results would also allow SANPC Refinery clinic to implement targeted interventions and ensure that employees are working in a safe and healthy environment. Recommendations for improving worker safety and health, based on the outputs of this service, will be incorporated into ongoing occupational health programs.

5. EVALUATION CRITERIA

6.1. 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
Valid South African National Accreditation System (SANAS) accreditation certificate. SANAS is an accreditation authority for laboratories, ensuring they meet high-quality standard		
Registration with South African Health Products Regulatory Authority (SAHPRA): This authority regulates health products, which includes a role in the compliance and licensing of lab services, as seen in their job postings for regulatory compliance officers in lab services.		

6.2. 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.

1.2.1. EXPERIENCE OF THE COMPANY

The service provider **must supply (as per the table below)**, with contactable references, at **least three (3) projects undertaken pertaining to Occupational Health Laboratory sample assessment and monitoring** in the last 4 years. One (1) project must be **undertaken at occupational health setting**.

Evaluation Criteria	Document as Evidence	Score	Weighting %
Three (3) or more projects were undertaken pertaining to occupational health risk sampling quality monitoring.	Contactable References	5	60%
Two (2) projects were undertaken pertaining to occupational health risk sampling quality monitoring.		3	
One (1) project was undertaken pertaining to occupational health risk sampling quality monitoring.		1	
Less than one (1) project was undertaken pertaining to occupational health risk sampling quality monitoring.		0	

1.2.2. EXPERIENCE OF THE PROJECT TEAM

The service provider shall supply curricula vitae (CV's) for professional staff that will be part of the team doing the occupational health samples monitoring **and or assessments as listed in the deliverables of the scope of work**

The team must have a minimum of 4 years' experience in similar projects.

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

Evaluation Criteria	Document as Evidence	Score	Weighting %
> 4 years' experience in similar projects	Detailed CV for Team.	5	40%
4 years' experience in similar projects		4	
3 years' experience in similar projects		3	
2 years of experience in similar projects.		2	
1 years of experience in similar projects.		1	
Less than 1 years' experience in similar projects		0	

6. PRICING SCHEDULE

Item	Quantity required Per year	Total number of test required in the three (03) years	Contract Duration	Rate per Unit	Total Cost
Full Blood Count (FBC)	60 annually	180	3 Years		
HbA1c	10 annually	30	3 Years		
Liver Function Test (LFT)	60 annually	180	3 Years		
Electrocyte Sedimentation Rate (ESR)	60 annually	180	3 Years		
Urea and Creatinine with electrolytes (U&E)	60 annually	180	3 Years		
International Normalised Ratio (INR)	3 annually	09	3 Years		
Lipogram	5 annually	15	3 Years		
Cholesterol	10 annually	30	3 Years		
CD4 count	10 annually	30	3 Years		
HIV Elisa test	2 annually	06	3 Years		
Prostate specific antigen (PSA)	10 annually	30	3 Years		
Blood Alcohol Concentration (BAC) for medico legal purposes	10 annually	30	3 Years		
Thyroid Stimulating Hormone (TSH).	5 annually	15	3 Years		
Substance abuse confirmation test for medico-legal purposes.	10 annually	30	3 Years		
THC confirmation test for medico-legal purposes	10 annually	30	3 Years		
Opiates/Morphine confirmation test for medico-legal	5 annually	15	3 Years		
Cocaine/Benzoylecgonine confirmation test for medico-legal	5 annually	15	3 Years		
Amphetamine & Methamphetamine confirmation test for medico-legal	5 annually	15	3 Years		

Oxycodone	5 annually	15	3 Years		
Acid fast bacillus (TB).	3 annually	09	3 Years		
COVID-19 (throat swab).	2 annually	06	3 Years		
Gene expert culture.	2 annually	06	3 Years		
Lead	30 annually	90	3 Years		
Toluene.	15 annually	45	3 Years		
Hexane.	15 annually	45	3 Years		
Mercury.	15 annually	45	3 Years		
Hexane.	15 annually	45	3 Years		
Co-testing HPV and Pap Smear.	15 annually	45	3 Years		
Methanol.	20 annually	60	3 Years		
Phenol.	20 annually	60	3 Years		
Xylene.	20 annually	60	3 Years		
Phadiotop	10 annually	30	3 Years		
Hippuric acid.	15 annually	45	3 Years		
Others (Specify Clearly)					
Sub Total Excl VAT					R
VAT @15%					R
Total Incl VAT @15%					R

Service providers are required to include price escalations should they wish to do so on the pricing schedule for the 3 year duration.