

SCOPE OF WORK AND TECHNICAL EVALUATION

A **Term Services – Short Term contract** is required. The following tasks will be done as part of the order:

1. Scope of Work

For the supply, delivery and installation of a Multi-risk Chemical Cabinet at Klerksdorp Oil Laboratory.

Minimum requirement for the cabinet:

2. Specifications

Multirisk cabinet with four (4) separate storage compartments (Flammable fire resistant, bases, acids and toxic) with ventilation arranged by a central exhaust system connected to all 4 units via Ø100 air inlet and outlet connections centrally on the cabinet roof.

Cabinet dimensions: 1260w x 615d x 1950h mm.

a) **FLAMMABLES COMPARTMENT** – 90 mins Fire Protection to EN14470-1

- Double wall construction: Outer housing made of sheet steel; Inner body made of H.P.L-coated sheet (High pressure laminated)
- Thermal insulation panel between the walls avoiding thermal bridges.
- High quality Epoxy coating RAL 9010.
- Markings as per EN 14470-1.
- Earthing link.
- Air inlet and outlet channel in rear panel. Easy connection on the roof of the cabinet Ø 100mm (labelled as exhaust channel).
- In case of fire, a thermo fuse automatically seals off the ventilation system.
- Thermoexpanding seals of the door allow keeping the internal body fireproof.
- Locking door with cylinder lock.
- Self-closing doors with possibility to keep the door open. If the temperature rises to 50°C, a fuse link closes the door automatically.
- Equipped with 3 adjustable retention shelves and 1 removable base/tank on the bottom.

b) **TOXICS, BASES AND ACIDS COMPARTMENTS**

- Built in Cellular PVC /or Build in Melamine base wood
- White colour
- Labelling “Toxics”, “Bases” and “Acids”.
- High and low vent inside the compartment.
- Single glazed door with key locking.
- Equipped with one base trough.
- Acids compartment must be equipped with two drawers, strong construction with removable plastic sumps and one base trough.
- U.L.W. 395kgs.
- Closure method - 2 X LOCKABLE WING DOORS

c) **Filtration unit with two additional filters** (Supplier to suggest best filtration system for the chemical cabinet described above).

- The electric fan
- Charcoal Filter for organic and corrosive vapours.
- Connection kit must include 100mm sleeve, 1m flexible hose, and 2 no. clamps. Connects extract box to cabinet.
- Silent Electric Fan - 220/240 volts – 20W
- Flow Rate: 86 m3/h – Protection: IP54
- Suction Diameter: 100mm

3. Mandatory requirement

REVISED SCOPE OF WORK & TECHNICAL CRITERIA

SUPPLY, DELIVERY, INSTALLATION AND COMMISSION OF A MULTI-RISK CHEMICAL CABINET - CAPEX

The cabinet must meet the following standards SANS 54470-1/EU(EN) EN14470-1 / DIN EN 16121/16122.

4. Other requirements

- Supplier to quote on items required to finalise installation if scope is not clear.
- The cabinet must be delivered within eight (8) weeks of order issue.
- Supplier to install the unit and leave it as full working solution.
- Payment will be done once completion form is signed off by both parties.
- Provide warranty for the chemical cabinet.

5. Delivery address:

- Eskom Klerksdorp Distribution (Klerksdorp)
Goue Weg 22
Townlands
Klerksdorp 2571
Contact person: Nomahamba Dlamini: - 018 464 6765

6. Technical Evaluation

Technical Evaluation	Proof	Score allocation (%)	Score (%)
Meet required cabinet specification	Provide a catalogue with the type of cabinet the supplier will deliver.	15	45
	Training on how to operate and maintain cabinet also provided (Two operators)	15	
	Inclusion of exhaust system	15	
Turnaround time for delivery of the chemical cabinet	• Eight (8) weeks or earlier	20	20
	• More than Eight (8) weeks	10	
Competency of the supplier- has the supplier provided such product before	Supplier must produce letters from 3 references where similar item was previously supplied.	20	20
	• 3 references		
	• 2 references	10	
	• 1 reference	5	
Three (3) year warrant or better.	• Three (3) years or better	15	15
	• Below two (2) years	5	
	TOTAL		100
	TRESHOLD (75%)		

7. SHEQ Criteria

SHEQ evaluation criteria	Office Use: (Yes/No)
• Baseline SHE risks assessment	
• Signed 37(2) agreement	

REVISED SCOPE OF WORK & TECHNICAL CRITERIA

SUPPLY, DELIVERY, INSTALLATION AND COMMISSION OF A MULTI-RISK CHEMICAL CABINET - CAPEX

<ul style="list-style-type: none">• Acknowledgement of Eskom's rules and requirements	
<ul style="list-style-type: none">• Valid letter of good standing	
<ul style="list-style-type: none">• SHE policy	

Compiled by: Dulcie Kitshoff **Date:** 25 July 2022

Approved by: Zanele Khuzwayo **Date:** _____ **Signature:** _____