

SCOPE OF WORK AND TECHNICAL EVALUATION

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

1. Scope of Work

The supply and delivery of laboratory specific consumables and reagents to all the laboratories of Eskom PS section of RT&D on an “as and when required” basis for a period of five (5) years.

The supply and delivery of chemicals, reagents and other laboratory consumables as defined on the attached list for a period of 5 years on an “as and when” basis.

Delivery to laboratories in the following Eskom centres:

Bloemfontein

Brackenfell

Klerksdorp

Pietermaritzburg

Seshego

Port Elizabeth

Rosherville, ERIC and Rotek

Witbank

A complete list of delivery addresses is provided in Annexure A

A complete list of reagents is defined in Annexure B.

Chemical Items: Suppliers must quote for all items on the list.

Frequently used items; Suppliers must quote for all items identified as frequently used.

Delivery times: Suppliers must specify delivery lead times for local and imported goods.

Supply and packaging: The supplier must state whether they are main suppliers or using subcontractor.

Experience – The supplier must be in business for at least 3 years.

Shelf Life – At the time of delivery, item must have a minimum shelf life of at least 2 years.

Competency – Suppliers must be knowledgeable and competent in the handling of items and understand the risks involved.

Suppliers must deliver items directly to the 9 laboratories as defined in annexure A.

Suppliers must have ISO 9001 certification or source products from an ISO 9001 certified subcontractor.

Products must comply with ISO 9001 / ISO 17025 requirements.

Products must comply with the purities specified on the list.

Products must be delivered with certificates of analyses or calibration which are traceable to the National Institute of Standards and Technology (NIST). Such certificates must state the actual purity and expiry date.

Product must be accompanied by GHS compliant Safety Data sheets (SDS) according to regulations for hazardous chemical agents, 2021, Published under Notice R 11263 in GG 44348 of 29 March 2021, As amended by Notice R 11266 in GG 44366 of 31 March 2021. Products must be suitably labelled according to the “The Globally Harmonised System of Classification and Labelling of Chemicals”.

The shelf life of products must still be valid for at least 5 years and should have an “After opening expiry date” of at least 12 months.

Products must be suitably packaged in suitable drums, intermediate bulk containers (IBCs), jerrycans, bottles, bags and designed for specific chemical properties to protect

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the integrity of the contents, protect the environment and to minimise health and safety aspects and prevent contamination.

Products must comply with manufacturer specifications (Spares, etc.).

Delivery is required to end users within 15 working days after placing an order.

Delivery is required at end users within 6 weeks when items need to be imported.

Delivery charges to be included.

Item labels and section 10 of SDS's must define "minimum shelf life" and "expiry date after opening".

1.1 Reagents to be delivered to the following addresses:

1. ERIC

Eskom Research & Innovation Centre

Oil Laboratory - Block B

Lower Germiston Road

Rosherville

Contact: Thapelo Masha 011-629 5008

2. Rotek

Rotek Oil Laboratory (Next to Site & Switchgear Workshop)

1 Lower Germiston Road

Rosherville

Contact: Vusi Sibeko 011-629 5521

3. Pietermaritzburg

Eskom Oil Laboratory

1 Portland Road, Mkondeni

Pietermaritzburg

Contact: Patiswa Matshoba 033-395 3817

4. Port Elizabeth

Eskom Oil Laboratory

C/o Eastcape Training Centre - Workshop 2

Spondo Road, Struandale

Port Elizabeth

Contact: Martha Boshoff 041 404 3304

5. Brackenfell

Eskom Oil Laboratory

Eskom Road

Brackenfell

Cape Town

Contact: Gerhardus Laubscher 021-980 3342

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6. Bloemfontein

Eskom Oil Laboratory

Spoornet Depot, Corner of McGregor and N8

Bloemfontein

Contact: Marthinus Lombaard 051-404 5140

7. Klerksdorp

Eskom Oil Laboratory

22 Goueweg, Townsland

Klerksdorp

Contact: Noma Dlamini 018 464 6765

8. Witbank

Eskom Oil Laboratory

Eskom Park (next to Electrical Workshop)

Watermeyer Street

Witbank

Contact: Gcina Mfihlo 013-693 2240

9. Seshego

Eskom Oil Laboratory

55 Moletsi street, Seshego

Polokwane

Contact: Strike Maluleke 072 046 6844

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Annexure B; List of chemical Agents

<u>DESCRIPTION</u>	<u>Unit</u>	<u>Grade</u>	<u>Estimate Quantities for 5 years</u>
1,2,3-TRICHLORO-4-(2,3,4-TRICHLOROPHENYL) BENZENE	50 mg	Pure	5
1,2,3-TRICHLORO-4-(2,3-DICHLOROPHENYL) BENZENE	50 mg	Pure	5
1,2-DICHLORO-3-(2,4-DICHLOROPHENYL) BENZENE	50 mg	Pure	5
2-ACETYLFURAN	0.1 g	CRM	5
2-ACETYLFURAN	50 g	AR	5
2-FUFURALDEHYDE	0.25 g	CRM	5
2-FUFURALDEHYDE	250 g	AR	5
2-FURFURYLACOHOL	0.25 g	CRM	5
2-FURFURYLACOHOL	50 g	AR	5
5-HYDROXYMETHYL-2-FURFURALDEHYDE	0.1 g	CRM	5
5-HYDROXYMETHYL-2-FURFURALDEHYDE	1 g	AR	5
5-METHYL-2-FURFURALDEHYDE	0.1 g	CRM	5
5-METHYL-2-FURFURALDEHYDE	25 g	AR	5
ACETONE	2.5 l	AR	65
ACETONITRILE	2.5 l	HPLC	280
BIS(ETHYLENEDIAMINE)COPPER (ii) HYDROXYDE	1 L	1 Molar	10
BIS(ETHYLENEDIAMINE)COPPER (ii) HYDROXYDE (FOR THE DETERMINATION OF DEGREE OF POLYMERIZATION OF INSULATION MATERIAL	1 L	1 Molar	5
BUFFER SOLUTION PH 4.00	500 ml	AR	150
BUFFER SOLUTION PH 7.00	500 ml	AR	150
CLEANING AGENT - GLASSWARE	5 L		60
BIO-DEGRADABLE CLEANING AGENT - FOR LABORATORY GLASSWARE	2.5LT		60
HIGH-PERFORMANCE WASHING DETERGENT FOR INDUSTRIAL LABORATORY GLASSWARE AUTOMATIC WASHING POWDER	5LT		60
COLOUR STANDARDS	Unit	CRM	5
COLOUR STANDARDS	500ML	CRM	5
DECACHLOROBIPHENYL	10 mg	Pure	5
DIMETHYL SULFOXIDE	2.5 L	HPLC	5
ETHANOL	2.5L	99,50%	170
ETHANOL >90 %, <0.2 % water, 10% METHANOL	2.5L	Indust Grade	2500
GLASS BEADS	each	4 mm	5
N-HEXANE	2.5 L	HPLC	120
HYDROCHLORIC ACID	AMPOULE	0.1 Normal	50
HYDROFLUORIC ACID	1 L	40%	2
IDICATOR ALKALI BLUE (C.I 42765)	50 g	CP	5
IDICATOR ALKALI BLUE (C.I 42765)	25g	CP	5

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INDICATOR METHYL ORANGE	500 ml	AR	8
INDICATOR PHEOLPHTALEIEN	500 ml	CP	8
KARL FISHER COLOMETRIC REAGENT; ELECTROLYTE A; ANOLYTE	500 ml	AR	500
KARL FISHER COLOMETRIC REAGENT; ELECTROLYTE CG; CATHOLYTE	25 ml	AR	500
COMBICOULAMAT FRIT	500ML	AR	500
LITHIUM CHLORIDE	500 g	AR	5
MAGNESIUM SILICATE	500G	AR	2
METAHNOL	2.5 L	HPLC	340
N-HEPTANE	2.5 L	CP	340
NITRIC ACID	2.5 L	55%	20
NITRIC ACID 0.1 NORMAL	AMPOULE	0.1 Normal	50
N-PENTANE	2.5 L	CP	340
POTASSIUM HYDROGEN PHTHALATE	500 g	AR	6
POTASSIUM HYDROXIDE	500 g	AR	15
POTASSIUM IODATE	500 G	500 G	4
N-PROPANOL	2.5 L	AR	60
ISO-PRPANOL	2.5 L	AR	60
SODIUM ALUMINIUM SILICATE	500 g		20
SODIUM CYANIDE	500 g	AR	2
SODIUM THIOSULPHATE	2.5 L	0.1 Molar	35
SULPHURIC ACID	2.5 L	98%	15
TOLUENE	2.5 L	AR	4000
TOLUENE	2.5 L	HPLC	330
WATER	2.5 L	Grade 3	1100
WATER	2.5 L	Grade 1	330
WATER STANDARD 0.01 %	10 pck	Pure	500
WATER STANDARD 0.1 %	10 PCK	Pure	1100
POTASSIUM CHLORIDE	500g	AR	2
PIPETTE VOLUMETRIC (BULB)	10ml	A GRADE	20
PIPETTE VOLUMETRIC (BULB)	25ml	A GRADE	20
PIPETTE VOLUMETRIC (BULB)	5ml	A GRADE	20
BURETTE GRADUATED 0.01 ML	50ml	A GRADE	20
BURETTE GRADUATED 0.01 ML	5ml	A GRADE	20
POTASSIUM IODIDE SOLUTION 10%	1L	10%	15
SULPHURIC ACID	2.5L	98%	15
SULPHURIC ACID SOLUTION 0.5 MOLAR	1L	0.5 MOLAR	15
BUTYLHYDROXYTOLUENE	1kg	99 % Pure	1
NAPHTALENE	1kg	99 % Pure	1
SULPHURIC ACID SOLUTION 0.2 MOLAR	1L	0.2 MOLAR	15
SULPHURIC ACID SOLVENT 2M	2.5L	2 MOLAR	10
CYCLOHEXANE FOR LIQUID CHROMATOGRAPHY LICHROSOLV	1L	HPLC	10
HYDRACHLORIC ACID 32% UNILAB - PLASTIC BOTTLE	2.5L	32%	10
POTASSIUM HYDROXIDE PELLETS EMPARTA	500G	AR	10

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POTASSIUM HYDROXIDE PELLETS UNIVAR	500G	AR	10
PAPER FILTER GFC 125MM 0.8 MICRON	100 PCK	MGC	5
PAPER FILTER MGC HYDROPHILIC 47MM 0.2 MICRON	100 PCK	MGC	5
CHLOROFORM	2,5L	AR	5

2. Technical Evaluation criteria

Technical criteria Table

Requirements		Supplier to provide proof as follows	Weight %	Max Score %
Chemical Items	Supplier to quote on complete list of Chemical agents on the scope	Suppliers need to quote on items listed		30
		Quote on complete list	30	
		Quote on 90% of list	20	
		Quote on 85% of list	10	
		Quote on less 85% of list	0	
Delivery times		Suppliers need to provide documented proof of delivery times		10
	Local items	48 hours after order placed	10	
		5 days after order is placed	5	
	Imported items	less than or equal to 6 weeks after order is placed	10	
		more than 6 weeks after order is placed	5	
Supply and packaging	Direct supplier (OEM)	Documented proof whether supplier is an OEM and proof of "GHS" compliant labelling	10	10
		No proof submitted	0	
	Sub-contractor (Agent)	Documented proof whether supplier is an Agent and proof of "GHS" compliant labelling	10	

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		No proof submitted	0	
Experience	At least 3 years' experience in supplying the industry	3 References stating supply of at least 3 years or more	15	15
		2 References stating supply of at least 3 years or more	10	
		1 References stating supply of at least 3 years or more	5	
		0 References stating supply of at least 3 years or more	0	
Shelf Life and "After opening expiry dates"	"Shelf life" of at least 2 years from date of delivery and "After opening expiry dates" of at least 12 months	Documented proof to confirm capabilities and indicated on labels and SDS	10	10
		No documented proof to confirm capabilities and indicated on labels and SDS	0	
Competencies	Knowledge and understanding of items and risks involved	Documented proof of Hazardous Chemical Handling competencies.	15	15
		No proof submitted.	0	
Certificates of Analyses	Include purities and expiry dates	Provide examples to proof.	5	5
	"GHS" Labelling			
	"GHS" SDS	No examples provided	0	
Transportation	Direct delivery to addresses the scope of work	Provide documented statement of commitment	5	5
		No documented statement of commitment	0	
		Total	100	
		Threshold	75%	

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Threshold = 75%

EVALUATION CRITERIA FOR SHEQ

***Below requirements to be submitted with the Tender Document.**

SHE evaluation criteria	Submitted (Yes/No)
1. Annexure B (Eskom Acknowledgement Form for OHS legal and other requirements)	
2. Letter of Good Standing	
3. Signed OHS Policy	
4. Baseline Risk Assessment	
5. OHS Plan	
6. 37(2) Eskom Agreement	

Compiled by: Marthinus Lombaard

Date: 15 November 2023

Approved by: Zanele NN Khuzwayo

Date: 15 November 2023

Signature:


