

SCOPE OF WORK AND TECHNICAL EVALUATION

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

1. Scope of work/supply

Maintenance of gas generators (Hydrogen, Zero Air and Nitrogen) and the supply of spares for Petroleum & Flow sciences laboratories in South Africa for a period of 3 years on an as and when needed basis.

- Services will be required either on site or at the premises of the supplier.
- Services will be required for the list of equipment in the included table.
- Services will be required according to the scheduled running hours of the equipment as defined in manufacturers manuals or in-between, when failures occurs, or annually depending on the performance of the equipment.

2. List of equipment and sites

TYPE GENERATOR	OF	SERIAL NUMBER	MODEL GENRATOR	SITE NAME
AIR ZERO		2330112-0033-1118.V1	UZAG-1/1	Klerksdorp
HYDROGEN		0462-1004-1118	WM-H2-400	Klerksdorp
AIR ZERO		2330112-0036-1218.V1	UZAG-1/1	Witbank
HYDROGEN		0462-1003-1118	WM-H2-400	Witbank
AIR ZERO		2330112-0037-1218.V1	UZAG-1/1	Rotek
HYDROGEN		HF15-01-430	Peak scientific	Rotek
AIR ZERO		2330112-0031-1118.v1	UZAG-1/1	Bloemfontein
HYDROGEN		0510-0008-1317	PAR-H2-400	Bloemfontein
AIR ZERO		2330112-0035-1218V1	UZAG-1/1	Brackenfell
HYDROGEN		0510-0009-1317	PAR-H2-400	Brackenfell
AIR ZERO		2330112-0032-1118V1	UZAG-1/1	Port Elizabeth
HYDROGEN		0510-0010-1317	PAR-H2-400	Port Elizabeth
AIR ZERO		2330112-0034-1218.V1	UZAG-1/1	Pietermaritzburg
HYDROGEN		0510-0006-1317	PAR-H2-400	Pietermaritzburg
AIR ZERO		2330112-0030-1118.V1	UZAG-1/1	Seshego
HYDROGEN		0510-0007-1317	PAR-H2-400	Seshego
NITROGEN		A14-11-232	Genius 1052	Rosherville (Annalie)

3. Instrument service/repair and consumables to be delivered to the following addresses:

3.1 P&FS laboratory (Rosherville)

Eskom Research & Innovation Centre

Oil lab - Block B - Reception

Lower Germiston Road

Rosherville

2022

Contact person: Hlengiwe Nzima 011 629 5711/5008

3.2 P&FS laboratory (Rotek)

Oil Lab - Rotek

Rotek – Next to Site & Switchgear (Workshop)

Lower Germiston Road

Rosherville

2022

Contact person: Vusi Sibeko 011 629 5521

3.3 P&FS laboratory (Witbank)

Oil lab - Witbank

Eskom Park

Next to Electrical Workshop

Watermeyer Street

Witbank

1035

Contact person: Gcina Mfihlo 013 693 2240

3.4 P&FS laboratory (Pietermaritzburg)

Oil lab - PMB

1 Portland Road

Mkondeni

Pietermaritzburg

3021

Contact person: Patiswa Matshoba 033 395 3817

3.5 P&FS laboratory (Port Elizabeth)

c/o Eastern Cape Training Centre

Oil lab - PE

Workshop 2

Spondo Road

Struandale

Port Elizabeth

6001

Contact person: Martie Boshoff 041 404 3304

3.6 P&FS laboratory (Brackenfell)

Oil lab - Brackenfell

Eskom Road

Brackenfell

Cape Town

7535

Contact person: Gerhard Laubscher 021 980 3342

3.7 P&FS laboratory (Bloemfontein)
C/o Transnet Depot
Oil lab - Eskom
Loco Street
East End
Bloemfontein
9001
Contact person: Marthinus Lombaard: - 051 404 5140

3.8 P&FS laboratory (Klerksdorp)
Oil lab - Eskom
22 Goueweg
Townsland
Klerksdorp
2571
Contact person: - Nomahamba Dlamini 018 464 6765

3.9 P&FS laboratory (Seshego) Polokwane
Oil lab – Eskom
55 Moletsi Street
Seshego
Polokwane
Contact person: Themba Maseko 015-299 0235

3.10 P&FS laboratory (Rosherville)
Eskom Research & Innovation Centre
Oil lab - Block B - Reception
Lower Germiston Road
Rosherville
2022
Contact person: Annalie Lombard 011-629 5360

4. Additional requirements

Supplier must quote also on the following:

- Travel time per hour
- Travel Rate per kilometre
- Labour rate (certified technician)
- Delivery charges

Supplier must:

- Provide service to all the P&FS Laboratories.
- Respond to the request within 48hrs of purchase order issue.
- Supplier to provide a report after each maintenance/repairs done in each laboratory

5. Specification
Spares/Consumables

Part Number (H2 Generator)	Spares / Maintenance	Item	Frequency of service
FIL.WFILTER.007	Spares	Water Filter	Maintain every 4000 hours
WATER.PUMP.001	Maintenance	Water pump	Maintain every 17520 hours
WATER.DSIN.003	Inspect	Cleaning kit for water tank and water tubing	Inspect water tank if there is algae present as and when required
WATER.DSIN.003	Maintenance	Cleaning kit for water tank and water tubing	Maintain water tank by cleaning if there is algae present as and when required
WATER.GLS.003	Maintenance	Water separator	Maintain every 26280 hours
FIL.DRYER.WM.002.B	Maintenance	Double desiccant column Hydrogen dryer	Maintain every 35040 hours

Part Number Ultra Zero Air Generator (UZAG) & Nitrogen generator	Spares / Maintenance	Item	Frequency of service
COMP.SB.005	Maintenance	Retrofit kit compressor Gast single head for models UZAG 1.5 to 6 L/min with compressor, ea.	Maintain every 8000 hours
COMP.SB.005	Maintenance	Retrofit kit compressor Gast single head for models UZAG 1.5 to 6 L/min	Maintain every 24000 hours
SK.UZAG-1.SC.4000 x 2	Maintenance	Filters kit	Maintain at every 4000 hours
PNE.VALV.003	Maintenance	Pneumatic solenoid valve	Maintain at every 12000 hours
PNE.VALV.003	Maintenance	Pneumatic solenoid valve	Maintain at every 24000 hours
COMP.MOTOR.005	Maintenance	New air compressor	Maintain at every 16000 hours
COMP.SVKM.005	Maintenance	Retro-fit kit for the motor	Maintain at every 8000 hours
COMP.SVKM.005	Maintenance	Retro-fit kit for the motor	Maintain at every 24000 hours

FIL.CAT.001 Find out if we can install	Maintenance	Catalyst	Maintain at every 24000 hours
ADHOC NITROGEN GAS GENERATOR	Maintenance		As & when required
PA-084344 ANNUAL SERVICE KIT FOR 105* NM32LA	Maintenance	Miscellaneous items	Maintain at every 5000 hours
K634 SERVICE KIT COMPRESSOR DOUBLE HEAD MOTOR-71R555	Maintenance	Retro-fit kit for the motor	Maintain at every 5000
INLET FILTER NM32LA	Maintenance	Filter kit	Maintain at every 5000 hours
2x COMPRESSED AIR COALESCING MICRON FILTERS NM32LA	Maintenance	Filter kit	Maintain at every 5000
SILENCER FILTER NM32LA	Maintenance	Silent block filter	Maintain at every 5000 hours
2x COMPRESSOR VALVE RELAYS NM32LA	Maintenance	Solenoid valve	Maintain at every 5000
2x DRAIN VALVE RELAYS NM32LA	Maintenance	Isolating valve	Maintain at every 5000 hours

6. Technical Evaluation

Technical Criteria	Description	Proof	Score allocation (%)	Total Score (%)
Availability of Spares and consumables	Supplier confirm availability of spares /parts as per the scope of work based on maintenance required.	Quotation	20	20
Competency	The supplier to prove that he can services and repair Genius, FDGSi & Peak Scientific gas generators.	Provide CV and competency certificates for all trained technicians on these equipment.	20	20
On-site service and repairs	Supplier must be able to do repairs and maintenance (service) on P&FS sites as and when required.	Confirm commitment on company letterhead	15	15
Turnaround time	The supplier must respond to request for repairs within 48 hours of receiving the purchase order number.	Confirm commitment on company letterhead Respond time for repairs <2days	15	15
		>2or=4days	5	

Experience	Relevant experience of not less than three (3) years on working with Genius, FDGSi and Peak generators.	Submit three (3) letter/s of reference from customer/s where related services were rendered.	20	20
	Three or more years' experience. Two to three years' experience.	Submit two (2) letter/s of reference from customer/s where related services were rendered.	10	
Distributor/OEM	Supplier must be an approved distributor for these equipment. If not proof, must be submitted that the original distributor will support the tenderer with the sale of spares.	Submit a letter indicating that the supplier is the Approved Distributor/OEM	10	10
		Submit a letter from OEM/approved Distributor that they will support tenderer with sale of spares and consumables.	10	
Total				100%

Threshold 80%

Compiled by: Dulcie Kitshoff

Date: 05/07/2021

Approved by: 

Date: 05 July 2021