



Request for Quote
Printed: 04.07.2024

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Number: 6000414835
Date: 04.07.2024

VAT REG NO: 4740101508

ESKOM HOLDINGS GENERATION
eskom holdings generation Ltd

RFQ Collective number
MPMAJ11212GX

P O Box 2634
johannesburg
2157

Contact person.
ASHRITHA JAYCHAND HARICHUND

Your person responsible/Your reference

Please deliver to: Majuba
Power Station. Volksrust -
Amersfoort Road. Volksrust.
2470

Your vendor number with us

Quotation deadl.: 14.08.2024

Delivery date: Day 01.10.2024

Dear Valued Supplier

Eskom Holdings SOC Ltd (#Eskom”) hereby invites you to submit a quote on the following goods/works/services as stated below

Majuba Power Station
Procurement
PO Box 382 VOLKSRUST 2470 SA
Tel 0177993422 Fax

Tender number	MPMAJ11212GX
Issue date	22 July 2024
Closing date and time	14 August 2024 at 10:00am South African Standard Time
Tender validity period	Fifty two (52) weeks from the closing date and time
Clarification meeting	N/A
Tenders are to be delivered to the following address on the stipulated closing date and time:	Eskom Holdings SOC Ltd Tender Centre No.10 Smuts Avenue Witbank / Emalahleni Mpumalanga 1035

Comment:

Item	Material	Description	Deliv. date
RF Q	quantity	Unit	

00010 ANALYZER:PPB TO PPM;220-240 V

1 each
Your material number STM-162719

Supply a benchtop laboratory ion chromatography ppb and ppm levels.

The instrument to have the following requirement:

- 1) Automated to Analyze multiple samples from different methods (please indicate the amount of samples that the auto sampler can analyze)
- 2) Do sample dilution if necessary.
- 3) Prepare multiple standards from Stock solution for calibration.
- 4) Run Overnight without the attention of the analyst.
- 5) High Precision and accuracy Instrument results
- 6) Be able to run low ppb range :(< 0.5 ppb Chloride and Sulphate analysis)
- 7) Automated Peak labelling from the software

8) The Instrument must be able to remove CO2 Peaks on the chromatogram

9) Eluent Generator that will last for more than 3 years

Standard features
Dual-piston pump
Thermostated digital conductivity cell
Electrolytic suppression
LED status panel
Standard bore and microbore column support
Available features
Column heater
In-line vacuum degas
Chromatography Data System (CDS) software

The IC should have ELECTROLYTIC SUPPRESSION for standard bore and microbore column formats, including MMS and ERS electrolytic suppressors, eliminating manual regenerant preparation, fast startup times, superior sensitivity for both cation and anion analysis, reduced background conductivity and enhanced day-to-day consistency.

CONDUCTIVITY DETECTION

The temperature-controlled, high-performance conductivity cell should not be affected by ambient temperature variations. Should have digital control which offers a wide dynamic range for detecting analytes with large concentration variations within the same sample.

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SOFTWARE HOULD HAVE THE FOLLOWING FEATURES:**Wellness Trending**

Monitors and plots the condition of your system over time to ensure high performance and accurate diagnosis of potential service issues using the built-in Electronic Log Book

eWorkflows

Automatically generate the injection list, loads the correct instrument conditions and applies the correct processing parameters

Chromatograms are immediately processed and results are instantly calculated

Calibration Wizard

Enables fast and easy method development and quantification through a wizard-based program

SUPPORT AND AFTER CARE SERVICE EXPECTED AFTER PURCHASING THE INSTRUMENT:

quality post-installation programs and assistance including expert customer training, comprehensive service agreements, validation and qualification services, application support, and timely, professional service by skilled, locally based representatives.

Installation and training to be provided by the Supplier. Original spares and consumables to be provided

00020 ANALYZER:TOTAL SULPHUR ANALYSER;220 V AC

1 each
Your material number STM-162894

SUPPLY TOTAL SULPHUR ANALYSER FOR COAL AND FUEL OIL ANALYSIS

INSTRUMENT RANGE: 0.08 - 30 mg

precision 0.04 mg or 1% RSD whichever is higher

Instrument must comply to these international standards: ASTM D-4239, D-5016, D1552, D-1619, ISO15178 and ISO19579.

analysis time 60-120s

detection method NDIR

CHEMICAL REAGENTS: magnesium perchlorate

Gas requirement: oxygen 99.5% purity, 15psi (1 bar) +- 10%

Instrument must use a resistance furnace capable of temperature controllable between 800#C to 1550#C.

operating conditions: temp 15 degrees celcius

Instrument must use a non-dispersive infrared absorption detection system.

Instrument must have allow power consumption of 15Amps on load and 4Amps consumption when idling.

Item	Material	Description	Deliv. date
RF Q	quantity	Unit	

The instrument must be supplied with a compatible external balance and interface.
The instrument software must contain an automatic Systems Check that verifies internal network communications, solenoids and switches, system pressures, furnace control and temperature.

00030 **ANALYZER:AUTOMATIC OIL ANALYSER;220 V AC**

1 each
Your material number STM-162837

Supply with Automatic oil analyser for the following analysis and for this type of oil:

Trunnion Oil, EP Gear Oil ISO VG460

Gearbox Oil, EP Gear Oil ISO VG320

Main Motor Oil, ISO VG46

Analysis

Particle Count / Particle Analyser # ASTM 7596

Particle count and ISO Codes, Classification of Wear Particle Shape, Wear Images, Ferrous Monitor and Ferrous size distribution.

Viscosity # ASTM 8092

Kinematic Viscosity (cSt) @ 40c and V100 viscosity from VI index input.

FTIR # ASTM D7889 Oxidation, Nitration, Sulfation, AW Additive, Soot, TBN, TAN, Water, Glycol, Antioxidant. FluidScan with a built-in spectra database of most well-known lubricant brands as reference fluids.

Elemental analysis - Ag, Al, As, B, Ba, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Si, Sn, Ti, V, W, Zn, Zr

Specifications of the oil automatic analyser

220VAC, 50HZ, instrument only to include windows, Instrument software, 24 element commercial lubrication calibration, fluid scan, homogenizer, user guide

All in one PC and include training , installation, travel and accomodation and freight charges.
Aftercare service should be provided by the supplier which includes maintainance and calibration of the analyser, supply of original spares and consumables