

SCOPE OF WORK

CALIBRATION OF EQUIPMENT CONTRACT SCOPE OF WORK

The provision of Calibration of equipment at Eskom Distribution in the Cape Costal Cluster

Description of the Scope / Specifications

To establish a 36 months contract for the provision of calibration and minor repairs of various testing of equipment in the Eastern Cape coastal cluster, on an “as and when” required basis.

The scope includes the provision of the following services:

Electrical - Rf Attenuation

- Electrical - Rf Impedance
- Electrical - Rf Power
- Electrical - Rf Power - Calibration Factor
- Electrical - Rf Modulation Am
- Electrical - Rf Modulation Fm
- Electrical - Current
- Electrical - Resistance
- Electrical - Voltage
- Optical Quantities
- Optical Time Domain
- Optical Power
- Time And Frequency
- Time And Frequency – Oscilloscopes

Various types of testers according to output etc were grouped together as shown in the table below, to indicate the type of testers used by Eskom and to be calibrated on an annual or six monthly intervals.

INSTRUMENT SHORT DESCRIPTION

- Impedance Tester
- Fuguang IDCE-840CT Discharge Tester
- HV Detector up tp 60kV AC incl Persornal Testers and
- Proximity testers eg Catu CC-11, Metrohm HVD13/2A
- HV Wireless Phase Comparator
- Cellcare DLV-Series 30 Data Logging Voltmeter
- Loop/PCS/Load Tester eg Major Tech MT350
- Loop Tester
- Current Leakage Monitor

- Voltano 100, Voltano VB02
- Earth Leakage Relay ELP15
- Relay Test Set
ISA secondary injection relay tester T1000, T2000, T3000
- Primary/Secondary Injection Test Set
- Infra-Red Thermometer @ 3 Temp Points (Noxy)
- Thermal Imager eg. Fluke T1200, T132 @ 3 Temp Points (Noxy)
- Anton Paar DMA35 Density Meter – Temperature Function Only
- E&H CLM280 Conductivity Meter
- Scopemeter
- Battery Analyser eg. Fluke BT520, Cellizer TMC 2001RT, Aitelon Sat-AC650
- HV Ampstik/Loadlooker Ammeter – 2000A (Kim dewing)
- HV Ampstik/Loadlooker Ammeter – 5000A
- EX21659 HV Sticks
- Vanguard EZCT Current Transformer Tester
EZCT2000A from Vanguard CT Tester
- Vanguard ATRT-03 Transformer Ratio Tester
- Vanguard Circuit Breaker Anal ser
- Vanguard WRM10
Vanguard secondary injection
- Vanguard Tester - CT 7000
Vanguard DC resistance tester
- Megger PPM-1 Power Multi-meter
- Megger 3 Phase TTR Transformer Turn Ratio
- Megger Delta 4300T/Delta
- Megger Diro – 600
- Phenix Pattr-03 Auto Transformer Ratio Tester
- Phenix Technologies HC-2
- Phenix 660-10P
- CV Auto Current Voltage Test Set
- Tan Delta Bridge
- Kocos 3 Phase Meter Test System
Kocos Metes 12.1, 230, 325
- Dynamometer – Tension or Compression
- Dynamometer – Tension and Compression
- Anton Paar Portable Density Meter (Hydrometer)
- Trueteq GMS Installers Friend
- Baur Trfr Oil Tester
- Suretech HV/PT 2
- Suretech HV/PT – 50
- SEBA KMT SPG32-1750 Thumper
- Digiphone
- CA-SEBAKMT EZ Thump surge Gen
- FLIR IR Thermal Imager
- Circuit Brk Power Supply
- Omicron FRANEO
- Omicron Tan Delta test set
- Omicron Secondary relay injection test: CMC 256, CMC 356

- Omicron CT analyzer
- Omicron CPC 100
- Omicron Compano 100
- Applied Precision Energy meter test bench
- WICA Micro calibration bath
- WICA Temperature Micro Calibration Bath
- Temperature Calibration Unit
- HV Pressure Tester
- Generators (600VA-40kVA)
- Data Comms Tester
- Capacitor Tester
- CBA1000
- Phoenix pressure tester
- Phoenix 650-2P pressure tester
- Metes 32.5

Compiled by Officer Contracts – Name:

Nokulunga Siguba


Signature:

N Siguba
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Approve by Technical Support Manager - Name:

Noxolo Mabula

Signature


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