Document Title:
SCOPE OF SERVICES

Project Title:
THE ONCE-OFF PRESSURE TESTING OF THE FM200 CYLINDERS FOR TPL SITES

REVISION 00: FOR APPROVAL

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1. INTRODUCTION

Transnet Pipelines (TPL), a division of Transnet SOC Ltd, provides strategic pipeline infrastructure, with associated world class pipeline logistics, for the petroleum and gas industries of South Africa. This is done in partnership with our customers and stakeholders thereby assuring the African sustainable development imperative. Established in 1965, TPL owns, maintains, and operates a network of 3 114 km of high-pressure petroleum and gas pipelines. The pipeline transverses five different provinces (Kwa-Zulu Natal, Gauteng, Northwest, Free States and Mpumalanga) ensuring security of supply of petroleum products into the inland market.

2. BACKGROUND

This document outlines the scope of work for the testing of FM200 fire suppression system cylinders for Transnet Pipeline's various sites, please refer to Table 1 for the list of the sites for the cylinders to be tested with the addresses. The work will involve a series of inspections, tests, and documentation to ensure that the cylinders are in compliance with safety regulations and SANS 18119:2024 Requirements. The list for all the FM200 cylinders to be tested is attached to this document as Annexure A1, A2, and A3.

3. OBJECTIVES

The primary objective of this SOW is to perform the following activities on FM200 cylinders:

- Disconnect the FM200 cylinder from TPL facility and take it to the reconditioning facility.
- Inspect and test the cylinders for integrity and functionality.
- Reconnect the FM200 cylinder and ensure all valves, gauges, and components are in proper working order.
- Perform necessary documentation and certification of compliance with relevant standards.

4. PRE-QUALIFICATION REQUIREMENTS FOR TENDER

- Bidders are required to submit certification as proof that their testing facility complies to SANS 1825 requirements for testing stations for General requirements for periodic inspection and testing of transportable refillable gas pressure receptacles.

5. SCOPE OF SERVICES

5.1 Description of the Scope of Works

- **Cylinder Inspection**
  - Inspect each FM200 cylinder for physical damage, corrosion, or any signs of wear and tear.
  - Check the condition of the cylinder valves, pressure gauges, and other components for functionality.
  - Verify the cylinder's manufacturing date and check if it is within the allowable service life.
  - Ensure proper labeling and identification according to regulatory standards.

- **Cylinder Testing**
  - Drain and empty any residual FM200 agent from the cylinders.
  - Perform hydrostatic testing to ensure that each cylinder maintains the required pressure rating.
  - Perform pressure and leak tests to check for any internal or external leaks.
  - Ensure that each cylinder is thoroughly cleaned and maintained during the testing phase.
  - Check and calibrate pressure gauges to ensure the correct charge and pressure of the FM200 agent.
  - After re-connecting the FM200 Cylinder on TPL site, check the cylinder valves and discharge mechanisms for proper operation.
  - Inspect the discharge nozzles and associated piping for blockages, damage, or other issues.
  - Check the functioning of the solenoid valves and electrical connections.

- **Supporting Documentation**
  - Detailed inspection report for each cylinder.
  - Hydrostatic test results and leak detection outcomes.
  - Compliance certificates for each cylinder.

5.2 Staff requirements and supervision

- The service provider shall provide qualified and competent personnel to perform the task.
- The service provider is to ensure all staff are equipped with the required PPE to carry out their duties.
- The service provider shall ensure that their personnel comply with SANS 18119:2024 procedures for testing and inspection requirements and OHS Act 85 of 1993 provision.

5.3 Equipment materials and consumables

- The service provider shall provide all necessary equipment and PPE for the execution of the work. As minimum requirement, service provider shall allow:

- ✓ Steel cap boots,
- ✓ Full length overall, either 1 piece or 2 pieces that are flame retardant,
- ✓ Hard hat,
- ✓ Safety glasses and ear protection,

5.4 Working hours

- Transnet Pipeline normal working hours are between 07:00 to 12:00 and 13:00 to 16:00 from Mondays to Fridays inclusive (8-hour shift per day), contractors must ensure to pick up and return the FM200 Cylinders in these time frames.
- The contractor must be able to accommodate overtime and weekends on request by Transnet Pipeline.

6. HEALTH, SAFETY, AND ENVIRONMENTAL MANAGEMENT

6.1 Health and Safety Standard

6.1.1 The awarded Service Provider shall comply with the requirements of the Occupational Health and Safety Act 85 of 1993 and its promulgated Regulations, Requirements for Safe Entry and the following Transnet procedures: Transnet Contractor Management Procedure (TIMS-GRP-PROC-014) and Transnet Contractor Health and Safety Specification Guideline (TRN-IMS-GRP-GDL-014.3), as applicable to the scope of services. and any laws applicable in terms of Health and Safety.

6.2 Contractor's General Requirements for Health and Safety

6.2.1 The Service Provider is solely responsible for carrying out the work under the Contract having the highest regard for the health and safety of its employees, Transnet's employees, and persons at or in the vicinity of the Site, the Works, temporary work, materials, the property of third parties and any purpose relating to the Principal Contractor carrying out its obligations under this Contract. Adequate provisions must be made available for health and safety.

6.2.2 The Service Provider is required to develop and implement a Health and Safety Plan in accordance with the Contractor Health and Safety Specification Guideline (TRN-IMS-GRP-GDL-014.3). This plan must encompass all sites where work will be conducted. The contractor is to ensure that their Health & Safety Management plan, as well as their Baseline Risk Assessment, includes the management of communicable diseases.

6.2.3 The Service Provider shall ensure that all incidents are reported to the relevant Transnet Pipelines Depot Manager and investigated by the principal contractor in conjunction with the client's safety representative. Occurrences shall be reported immediately or before the end of the shift, followed by a written report within 24 hours.

6.3 Contractor Compliance File Requirements (Minimum requirements)

6.3.1 The Contractor will provide Transnet Pipelines with the required Health and Safety documentation before work on site begins. Once the Contractor's Health & Safety file is approved, the awarded contractor will be permitted to commence work.

6.3.2 The file must include but not limited to the following documents:

- A valid Letter of Good Standing with the Workman's compensation.
- Proof of relevant insurances to carry out work.
- Contractor Health & Safety Plan correlating with Transnet Contractor Management Procedure (TRN-IMS-GRP-PROC-014) submitted and approved.
- Copies of TPL & Contractor's health, Safety & Environmental Policies
- Mandatory agreement as per section 37.2 of the OSHACT. Act 85 of 1993 and CR 5.1(K)
- Risk Assessments, Method statements and Safe Working Procedures
- Employee scope of work.
- Proof of site-specific induction (Contractor).
- Copy of ID Document.
- Legal Letter of Appointment.
- Abbreviated CV for the management and Legal appointees.
- Proof of competence.
- Valid entry medical certificate of fitness done by an Occupational Health Practitioner.
- Project Specific Risk Assessment indicating the full scope of work and risk profile.
- Organogram of reporting structure including contact details.
- Copy of nominated responsible person to conduct inspections and proof of their competency.
- The contractor to ensure that their Health & Safety Management plan as well as their Baseline Risk Assessment includes the management of communicable diseases.

7. SECURITY VETTING

- The *Contractor* will be expected to go through security vetting before being given access to Transnet Pipelines premises.

- The following documents are needed from the bidder:
  - Company registration number.
  - CIPC registration.
  - Company TAX clearance TCS Pin.
  - Copies of ID of directors.
  - Fingerprints of directors (Use SAP 91) to be found at local SAPS. Original fingerprints must be submitted.
  - Copies of ID of employees who will be working on site.
  - Fingerprint of employees who will be working on site (Use SAP 91) to be found at local SAPS. Original fingerprints must be submitted.
  - The contractor must make a copy of the extra Departmental documents and take it to SAPS which prevents them from paying.

Note:

- Please take note that SSA takes 2 to 8 weeks for vetting to take place once all required documentation has been submitted.
- The contractor does not need to submit a compliance file with the tender submission; TPL will request the file once the Tender evaluation process is in progress. All compliance file deviations and gap close-out requests shall be attended to by and within 2 days from the time issued by TPL. The compliance file shall be required to be finalised within two weeks, and only the supplier with an approved or conditionally approved compliance file will be awarded the contract.

Table 1: Transnet Pipelines Sites with Address

Plant	Depot/Pump Station	Site Description	House no/street	Street Postal code	City	P.O. Box	Postal code	Contractor point of origin address (s)	Total km Travelled for Collection and Delivery
ALR1	Alrode	Operations	35 Garfield Street, Alberton		Alrode	11050	1451		
APT1	Airport	Operations	opposite 40 Springbok Road	1459	Boksburg	15130	1472		
CBK1	Coalbrook	Operations	Jan Haak Rd (Ent Natref Gate)	1947	Sasolburg	2074	1947		
DNR1	Durban	Operations	Cnr Abadan & Sumatra Rd	4052	Island View	21970	4036		
DUZ1	Duzi	Operations	Ottos Bluff Rd, Dunimarle		Pietermaritzburg	151	3600		
FTM1	Fort Mistake	Operations	off N11 Ladysmith-Newcastle		Fort Mistake	151	3600		
HLR1	Hillcrest	Operations	Shongweni Rd (adjacent Plantations)	3610	Hillcrest	591	3650		
HWR1	Howick	Operations	Old Main Road - North (opp Nursery)	3290	Howick	873	3290		
JMP	Jameson Park	Operations	off Poortjie Rd on R42 to Nigel		Heidleberg	967	1438		
KDL1	Kendal	Operations	road to Hooglandboerdery adj Alpha Mine		Kendal	3831	1035		
KRO1	Kroonstad	Operations	1st Avenue, Gunhill	9499	Kroonstad	1613	9500		
LAY1	Ladysmith	Operations	Hyde Rd, TFR Industrial site	3370	Ladysmith	755	3370		
LLA1	Langlaagte	Operations	46 Main Reef Rd, Industria	2093	Langlaagte	43527	2042		
	NOC	TPL National Control Centre	10 Kirk Road		Pinetown	1613	3620		
MRR1	Mooi River	Operations	District Rd (D54)		Mooi River	151	3600		
MTN1	Meyerton	Operations	Bloemendale Rd (28.11481032, -26.57814435)		Henley on Klip				
NCS1	Newcastle	Operations	56 Marconi Street		Newcastle	25204	2940		
QGA1	Quagga	Operations	Farm Road (P213)		Quagga	11	3100		
RTR1	Rustenburg	Operations	4 Escom Street	0299	Rustenburg	7700	0300		
SBG1	Sasolburg	Operations	Cnr Henry & Bergius Street	1947	Sasolburg	1943	1947		
SEC1	Secunda	Operations	Near Brandspruit Mine, adjacent SASOL		Secunda	3277	2302		
TLR1	Tarlton OPS	Operations	Cnr Rustenburg / Ventersdorp R		Tarlton	316	1749		
	Pinetown Workshop	Workshop	17 Kirk Road		Pinetown		3620		
IRP 1	Tarlton IRP	Refractionator Plant	Cnr Rustenburg / Ventersdorp R		Tarlton	316	1749		
VLR1	Villiers	Operations	Near Mafube Local Municipality, Schoonspruit -27.092449044889527, 28.85480457845564						
WIR1	Witbank	Operations	9 Schoonland Drive, Ferrobank	1034	Witbank	3831	1035		
MBT	Mnambithi	Operations	29.6130796, -28.6157813		Ladysmith near N3 Highway				
WDN	Warden	Operations	29.1532318, -27.8283026		Warden				
TNI	TWINI	Operations	305 old Main Road, Amanzimtoti, kwaMakhutha		Durban		4001		
HTP	Hilltop	Operations	Transnet Hilltop Pumpstation, Wartburg (-29.5511998,30.4493090)		Pietermaritzburg		3201		
IVW	Island View	Operations	Island View Cutler- Port Terminal,		Durban		4001		
PH09	TPL Head Office	Offices	202 Anton lembede		Durban Central		4001		
								Total Km Travelled to service all TPL Sites	

ANNEXURE A1: FM200 Cylinder Locations

DURBAN CLUSTER						
Depot	**Cylinder Location**	**Cylinder Size (Kg)**	**Capacity Status**	**Last Test Date**	**Next Test Date**	**Comment**
Hillcrest	Switchgear Room	141 kg	Full	14/06/2011	14/06/2021	Due for testing
Durban OPS	Switchgear Room	136 kg	Full	Unknown	Unknown	Due for testing
	Cable Basement	120 kg	Full	Unknown	Unknown	Due for testing
	Plc Room	70 kg	Full	Unknown	Unknown	Due for testing
Duzi	Telecom Room	18,5 kg	Full	1/6/2011	1/6/2021	Due for testing
	Switchgear Room	63 kg	Full	1/6/2011	1/6/2021	Due for testing
	Switchgear Room	7,5 kg	Full	1/6/2011	1/6/2021	Due for testing
	Control Room	7,5 kg	Full	1/6/2011	1/6/2021	Due for testing
	Control Room	78,5 kg	Full	1/6/2011	1/6/2021	Due for testing
	Telecom Room	18,5 kg	Full	1/6/2011	1/6/2021	Due for testing
Howick	Switchgear	142 kg	Full	14/06/2011	14/06/2021	Due for testing
Mooiriver	Telecom Room	17 kg	Full	Unknown	Unknown	Due for testing
	Switchgear Room	72,5 kg	Full	Unknown	Unknown	Due for testing
	Switchgear Room	8 kg	Full	Unknown	Unknown	Due for testing
	Control Room	58,8 kg	Full	Unknown	Unknown	Due for testing
	Control Room	8 kg	Full	Unknown	Unknown	Due for testing
Hilltop	Lv/Switchgear Room	89 kg	Full	2/6/2011	2/6/2021	Due for testing
		89 kg	Full	2/6/2011	2/6/2021	Due for testing
		89 kg	Full	2/6/2011	2/6/2021	Due for testing
	Pcn Room	86 kg	Full	2/6/2011	2/6/2021	Due for testing
	Plc Room	103 kg	Full	2/6/2011	2/6/2021	Due for testing
	Control Room	11,3 kg	Full	2/6/2011	2/6/2021	Due for testing
	Control Room	33 kg	Full	2/6/2011	2/6/2021	Due for testing
	Epn Room	33 kg	Full	2/6/2011	2/6/2021	Due for testing
	It Room	37 kg	Full	2/6/2011	2/6/2021	Due for testing
	Cable Basement Room	122 kg	Full	2/6/2011	2/6/2021	Due for testing
		122 kg	Full	2/6/2011	2/6/2021	Due for testing
		122 kg	Full	2/6/2011	2/6/2021	Due for testing
		122 kg	Full	2/6/2011	2/6/2021	Due for testing
		122 kg	Full	2/6/2011	2/6/2021	Due for testing
		73 kg	Full	2/6/2011	2/6/2021	Due for testing
		73 kg	Full	2/6/2011	2/6/2021	Due for testing
		73 kg	Full	2/6/2011	2/6/2021	Due for testing
		73 kg	Full	2/6/2011	2/6/2021	Due for testing
		73 kg	Full	2/6/2011	2/6/2021	Due for testing
	Mv Switchgear Room	123 kg	Full	2/6/2011	2/6/2021	Due for testing
		123 kg	Full	2/6/2011	2/6/2021	Due for testing
	Pcn Room	86 kg	Full	2/6/2011	2/6/2021	Due for testing
	Hv Metering Room	46 kg	Full	2/6/2011	2/6/2021	Due for testing
	Mv/Vsd Room	79 kg	Full	2/6/2011	2/6/2021	Due for testing
		79 kg	Full	2/6/2011	2/6/2021	Due for testing
Island View	Pcn Room	35 kg	Full	Unknown	Unknown	Due for testing
		35 kg	Full	Unknown	Unknown	Due for testing
	Pln Equipment	109 kg	Full	Unknown	Unknown	Due for testing
	Switchgear Room	125.5 kg	Full	Unknown	Unknown	Due for testing
		125.5 kg	Full	Unknown	Unknown	Due for testing
		125.5kg	Full	Unknown	Unknown	Due for testing
	Mv Room	124 kg	Full	Unknown	Unknown	Due for testing
		124 kg	Full	Unknown	Unknown	Due for testing
		124 kg	Full	Unknown	Unknown	Due for testing
	Hv Protection Room	78,5 kg	Full	Unknown	Unknown	Due for testing
	Vsd Room	127,7 kg	Full	Unknown	Unknown	Due for testing
		127,7 kg	Full	Unknown	Unknown	Due for testing
	Control Room	25 kg	Full	Unknown	Unknown	Due for testing
	Epn Room	41 kg	Full	Unknown	Unknown	Due for testing
	Cable Basement	150.5 kg	Full	Unknown	Unknown	Due for testing
		150.5 kg	Full	Unknown	Unknown	Due for testing
		150,5 kg	Full	Unknown	Unknown	Due for testing
	H-Vec Room	96 kg	Full	Unknown	Unknown	Due for testing
	It Room	35 kg	Full	Unknown	Unknown	Due for testing
TWINI	Control Room	35 kg	Full	4/6/2011	4/6/2021	Due for testing

	Control Room	11,3 kg	Full	4/6/2011	4/6/2021	Due for testing
	It Room	35 kg	Full	4/6/2011	4/6/2021	Due for testing
	It Room Ceiling Void	6 kg	Full	4/6/2011	4/6/2021	Due for testing
	Epn	40 kg	Full	4/6/2011	4/6/2021	Due for testing
	Pcn	110 kg	Full	4/6/2011	4/6/2021	Due for testing
	Plc Room	89 kg/84 kg	Full	4/6/2011	4/6/2021	Due for testing
	Plc Room	131 kg/84 kg	Full	4/6/2011	4/6/2021	Due for testing
	Lv Room	131 kg	Full	4/6/2011	4/6/2021	Due for testing
		131 kg	Full	4/6/2011	4/6/2021	Due for testing
		131 kg	Full	4/6/2011	4/6/2021	Due for testing
	Hv Room	131 kg	Full	4/6/2011	4/6/2021	Due for testing
		131 kg	Full	4/6/2011	4/6/2021	Due for testing
	Cable Basement	143 kg	Full	4/6/2011	4/6/2021	Due for testing
	Cable Basement	123 kg	Full	4/6/2011	4/6/2021	Due for testing
		123 kg	Full	4/6/2011	4/6/2021	Due for testing
Pinetown Workshop	Server Room	50 kg	Full	Unknown	Unknown	Due for testing
		50 kg	Full	Unknown	Unknown	Due for testing
	Server Room Outside Room	50 kg	Full	Unknown	Unknown	Due for testing
Head Office	Basement Substation	82 kg	Full	1/10/2012	1/10/2022	Due for testing
		82 kg	Full	1/10/2012	1/10/2022	Due for testing
	Server Room	61 kg	Full	1/10/2012	1/10/2022	Due for testing
NOC	Ups Room 222	25 kg	Full	3/5/2016	3/5/2026	Due for testing
	Epn Room	25 kg	Full	3/5/2016	3/5/2026	Due for testing
	Epn Room C.V.	16 kg	Full	3/5/2016	3/5/2026	Due for testing
	Epn Room F.V.	6 kg	Full	3/5/2016	3/5/2026	Due for testing
	Pcn Room	25 kg	Full	3/5/2016	3/5/2026	Due for testing
	Pcn Room C.V.	6 kg	Full	3/5/2016	3/5/2026	Due for testing
	Pcn Room F.V.	6 kg	Full	3/5/2016	3/5/2026	Due for testing
	Pcs Room C.V	25 kg	Full	3/5/2016	3/5/2026	Due for testing
	Pcs Room 1	45 kg	Full	3/5/2016	1/1/2026	Due for testing
	Pcs Room 2	45 kg	Full	3/5/2016	1/1/2026	Due for testing
	Pcs Store F.V.	24 kg	Full	3/5/2016	1/1/2026	Due for testing
	Pcs Storeroom	24 kg	Full	3/5/2016	1/1/2026	Due for testing
	Pcs Store C.V.	24 kg	Full	3/5/2016	1/1/2026	Due for testing
	Software Storeroom	15 kg	Full	3/5/2016	1/1/2026	Due for testing
	Software Store C.V.	4 kg	Full	3/5/2016	1/1/2026	Due for testing
	Engineering Room F.V.	24 kg	Full	3/5/2016	1/1/2026	Due for testing
	Engineering Room C.V.	21 kg	Full	Unknown	Unknown	Due for testing
	Mcc Room F.V. 1	9 kg	Full	Unknown	Unknown	Due for testing
	Mcc Room F.V. 2	9 kg	Full	Unknown	Unknown	Due for testing
	Mcc Room F.V. 3	9 kg	Full	Unknown	Unknown	Due for testing
	Mcc Room F.V. 4	9 kg	Full	3/5/2016	1/1/2026	Due for testing

ANNEXURE A2: FM200 Cylinder Locations

LADYSMITH CLUSTER						
Depot	**Cylinder Location**	**Cylinder Size (Kg)**	**Capacity Status**	**Last Test Date**	**Next Test Date**	**Comment**
Ladysmith OPS	Control Room	146 kg	Full	Unknown	Unknown	Due for Testing
	Switch Gear Room	161 kg	Full	Unknown	Unknown	Due for Testing
Fort Mistake	Control Room	110 kg	Full	Unknown	Unknown	Due for Testing
	Substation	17 kg	Full	Unknown	Unknown	Due for Testing
	PLC Room	23 kg	Full	Unknown	Unknown	Due for Testing
	VSD Room	24 kg	Full	Unknown	Unknown	Due for Testing
	Switch Gear Room	122 kg	Full	Unknown	Unknown	Due for Testing
Newcastle	Control Room	146 kg	Full	Unknown	Unknown	Due for Testing
	Switch Gear Room	168 kg	Full	Unknown	Unknown	Due for Testing
Quaggasnek	Control Room	121 kg	Full	Unknown	Unknown	Due for Testing
Mnambithi (PS5)	IT Room	36 kg	Full	Unknown	Unknown	Due for Testing
	IT Room	53 kg	Full	Unknown	Unknown	Due for Testing
	IT Room	78 kg	Full	Unknown	Unknown	Due for Testing
	Basement	213 kg	Full	Unknown	Unknown	Due for Testing
	Basement	213 kg	Full	Unknown	Unknown	Due for Testing
	Basement	213 kg	Full	Unknown	Unknown	Due for Testing
	Basement	213 kg	Full	Unknown	Unknown	Due for Testing
	Basement	213 kg	Full	Unknown	Unknown	Due for Testing
	LV Room	183 kg	Full	Unknown	Unknown	Due for Testing
	LV Room	183 kg	Full	Unknown	Unknown	Due for Testing
	LV Room	182 kg	Full	Unknown	Unknown	Due for Testing
	PCN Room	180 kg	Full	Unknown	Unknown	Due for Testing
	PCN Room	196 kg	Full	Unknown	Unknown	Due for Testing
	PCN Room	197 kg	Full	Unknown	Unknown	Due for Testing
	Cable basement	133 kg	Full	Unknown	Unknown	Due for Testing
	Cable basement	133 kg	Full	Unknown	Unknown	Due for Testing
	LV Switch Gear Room	182 kg	Full	Unknown	Unknown	Due for Testing
	LV Switch Gear Room	183 kg	Full	Unknown	Unknown	Due for Testing
	LV Switch Gear Room	183 kg	Full	Unknown	Unknown	Due for Testing
	LV Switch Gear Room	183 kg	Full	Unknown	Unknown	Due for Testing
Warden	IT Room	81 kg	Full	Unknown	Unknown	Due for Testing
	PC Room	41 kg	Full	Unknown	Unknown	Due for Testing
	Switch Gear Room	90 kg	Full	Unknown	Unknown	Due for Testing
	Substation	27 kg	Full	Unknown	Unknown	Due for Testing

ANNEXURE A3: FM200 Cylinder Locations

NORTH REGION						
Depot	**Cylinder Location**	**Cylinder Size (Kg)**	**Capacity Status**	**Last Test Date**	**Next Test Date**	**Comment**
Airport	Laboratory	20 kg	Full	2012	2022	Due for Testing
	Sample Store	8 kg	Full	2012	2022	Due for Testing
	PLC Equipment Room	53 kg	Full	2012	2022	Due for Testing
Alrode OPS.	Laboratory	20 kg	Full	2012	2022	Due for Testing
	Sample Store	6 kg	Full	2011	2021	Due for Testing
	PLC Equipment Room	71 kg	Full	2015	2025	Due for Testing
		71 kg	Full	2015	2025	Due for Testing
		35 kg	Full	2015	2025	Due for Testing
	Switch Gear Room	142 kg	Full	2011	2021	Due for Testing
Coalbrook	Equipment Room	87 kg	Full	2011	2021	Due for Testing
	Laboratory	40 kg	Full	2011	2021	Due for Testing
	Sample Room	17 kg	Full	2011	2021	Due for Testing
Kendal	Telecom Room	66 kg	Full	2015	2025	Due for Testing
Villiers	Comms Room	93.5 kg	Full	2011	2021	Due for Testing
		24.8 kg	Full	2011	2021	Due for Testing
	Sever Room	78 kg	Full	2011	2021	Due for Testing
		36, 1 kg	Full	2011	2021	Due for Testing
		36,3 kg	Full	2011	2021	Due for Testing
Kroonstad	PLC Room	90 kg	Full	2011	2021	Due for Testing
Langlaagte	Laboratory	20 kg	Full	2015	2025	Due for Testing
	Sample storeroom	8 kg	Full	2015	2025	Due for Testing
	PLC Equipment Room	53 kg	Full	2015	2025	Due for Testing
Meyerton	MCC Room	100 kg	Full	2011	2021	Due for Testing
	Pump Room	89 kg	Full	2011	2021	Due for Testing
	Telecom Room	11 kg	Full	2011	2021	Due for Testing
	Tank Room	67 kg	Full	2011	2021	Due for Testing
		67 kg	Full	2011	2021	Due for Testing
Rustenburg	MCC Room	41 kg	Full	2011	2021	Due for Testing
	Control Room (Floor void)	7 kg	Full	2011	2021	Due for Testing
	Sample Room	24 Kg	Full	2011	2021	Due for Testing
	Telecom Room	6 kg	Full	2011	2021	Due for Testing
		19 kg	Full	2011	2021	Due for Testing
Sasolburg	Equipment Room (Floor void)	21 kg	Full	2011	2021	Due for Testing
	Sample Store	22 kg	Full	2011	2021	Due for Testing
Secunda	Equipment Room	42.5 kg	Full	2010	2020	Due for Testing
	Equipment Room (Floor void)	9 kg	Full	2011	2021	Due for Testing
	Sample Room	7 kg	Full	2011	2021	Due for Testing
	Switch Gear Room	106.5 kg	Full	2012	2022	Due for Testing
	Switch Gear Room (Floor void)	22.5 kg	Full	2011	2021	Due for Testing
	Control Room	87 kg	Full	2010	2020	Due for Testing
	Control Room (Floor void)	18.5 kg	Full	2011	2021	Due for Testing
Tarlton IRP	Equipment Room	113 kg	Full	2011	2021	Due for Testing
	MCC Room 3	34 kg	Full	2011	2021	Due for Testing
Tarlton OPS	Equipment Room	51 kg	Full	2011	2021	Due for Testing
	Laboratory Room	31 kg	Full	2011	2021	Due for Testing
	MCC Room 1	54 kg	Full	2011	2021	Due for Testing
	MCC Room (Floor void)	7 kg	Full	2011	2021	Due for Testing
	Substation	115 kg	Full	2011	2021	Due for Testing
	Substation (Floor void)	6 kg	Full	2011	2021	Due for Testing
Witbank OPS	Telecom Room	51 kg	Full	Unknown	Unknown	Due for Testing
	Telecom Room (Floor void)	10.5 kg	Full	Unknown	Unknown	Due for Testing
	Laboratory	34 kg	Full	Unknown	Unknown	Due for Testing
	Sample storeroom	5.5 kg	Full	Unknown	Unknown	Due for Testing
Jameson Park	Repeater Building 4 MCC Room	76 kg	Full	2013	2023	Due for Testing
	Repeater Building 5 Telecoms Room	19 kg	Full	2009	2019	Due for Testing
	PLC Room (Floor void)	10 kg	Full	2009	2019	Due for Testing

	MCC Room	29 kg	Full	2009	2019	Due for Testing
	MCC Trench	6 kg	Full	2009	2019	Due for Testing
	Genset	30 kg	Full	2009	2019	Due for Testing
	Sample Store	55 kg	Full	2013	2023	Due for Testing
	Administration Building IT Server Room	64 kg	Full	2013	2023	Due for Testing
	Repeater Building 1 MCC Room	75 kg	Full	2013	2023	Due for Testing
	Instrument Room	58 kg	Full	2013	2023	Due for Testing
		53.5 kg	Full	2013	2023	Due for Testing
		53.5 kg	Full	2014	2024	Due for Testing
	Control Room (Floor void)	52.5 kg	Full	2013	2023	Due for Testing
	PLC Room	58 kg	Full	2013	2023	Due for Testing
		143 kg	Full	2013	2023	Due for Testing
		143 kg	Full	2013	2023	Due for Testing
		98 kg	Full	2013	2023	Due for Testing
	IT Room	37 kg	Full	2013	2023	Due for Testing
	LV Cable Room (Basement)	153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
		153.5 kg	Full	2013	2023	Due for Testing
	LV Switch Room	127 kg	Full	2013	2023	Due for Testing
		127 kg	Full	2013	2023	Due for Testing
		127 kg	Full	2013	2023	Due for Testing
	CP Rectifier Room	81 kg	Full	2013	2023	Due for Testing
	EPN Room	52.5 kg	Full	2013	2023	Due for Testing
	IT Server Room	52.5 kg	Full	2013	2023	Due for Testing
	Repeater Building 2 MCC Room	77 kg	Full	2013	2023	Due for Testing
	MV Room P-5 Cable Basement	111 kg	Full	2013	2023	Due for Testing
		111 kg	Full	2013	2023	Due for Testing
		111 kg	Full	2013	2023	Due for Testing
		111 kg	Full	2013	2023	Due for Testing
	HV Protection Room	48.5 kg	Full	2013	2023	Due for Testing
	MV Sub-station Room	104.5 kg	Full	2013	2023	Due for Testing
		104.5 kg	Full	2013	2023	Due for Testing
		104.5 kg	Full	2013	2023	Due for Testing
		104.5 kg	Full	2013	2023	Due for Testing
	Repeater Building 3 MCC Room	76 kg	Full	2014	2024	Due for Testing