



ANNEXURE "A1"
SCOPE OF WORK
AHT26885

Tender: Technical Assessment and Repair/Replacement of Gas Suppression Systems

1. PURPOSE

The purpose of this tender is to appoint a qualified and certified Automatic Gas Suppression Specialist Company to:

- Perform site inspections of the two fixed Gas suppression systems installed in PetroSA administrative building (i.e. FM-200 at Admin IT Computer Centre and CO² Fire Suppression System at Admin Document Control Department)
- Provide technical and commercial proposals
- Repair and/or replace the existing systems or systems components

Table 1: List of Equipment

QTY	Description
1	CO ² suppression Systems
1	FM-200 Automatic Gas Suppression System
2	Fire Panels

2. BACKGROUND

- Existing Gas Suppression systems installed in PetroSA Admin IT Server Room and Document Control Department are non-functional, with known equipment failures and obsolete components.
- The CO² suppression system in the Document Control Department has been decommissioned due to severe corrosion and deterioration of the cylinders, and piping rendering the system unreliable and no longer fit for service.
- The FM-200 system installed in the IT Server Room is also non-functional as a result of the defective fire control panel

Prepared by:	M Nel		
Date:	30 June 2026	Rev:	01
File Path & Name:	Z:\PWT\02 TENDERS (6-1-4)\26885 Repair of Gas Supression System\1 - Invitation to Tender\Annexure A1-Scope of Work.docx		



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3. SCOPE OF SERVICES

3.1. Site Audit and Assessment

The contractor is expected to:

- Conduct physical inspections of both fire suppression installations at the Admin Building
- Verify:
 - System configuration and architecture
 - Operational status (functional, degraded, failed)
 - Coverage adequacy vs building risk classification
 - Compliance with applicable standards (e.g., SANS 369, SANS 10139 and NFPA 2001 were applicable)
- Identify:
 - Obsolete/end-of-life equipment
 - Gaps in suppression coverage
 - Integration status with fire panels and control systems

3.2. Documentation Review

- Drawings
- Highlight discrepancies between as-built vs actual installations

3.3. Deliverables – Audit Report

A detailed report must be submitted including:

- Condition assessment (graded: Good / Fair / Poor / Critical)
- Technical assessment
- Identified risks and critical failures
- Recommended corrective actions

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3.4. REQUIRED PROPOSALS

Vendors must submit proposals for the following:

Replacement of Legacy/Non-Operational Systems

- Replacement of all faulty, obsolete, or decommissioned suppression systems with current generation systems and components.
- Retain functional existing infrastructure where viable.
- Including:
 - Integration with existing systems
 - Commissioning and testing plan
 - Updated drawings

4. COSTING REQUIREMENTS

- Detailed Bill of Quantities
- Equipment costs
- Installation and labour costs
- Engineering and design costs
- Commissioning costs
- Optional maintenance/service agreements
- Lead times and project duration
- Costing of quotation must be quoted in South African Rand.
- Include any Standard Safety File that is required to visit the Site (Exact specifications for the Safety file will be provided by PetroSA)

5. SITE VISIT (MANDATORY)

- A compulsory site clarification meeting and inspection will be conducted.

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