	Scope of Work	Tutuka Power Station Risk and Assurance
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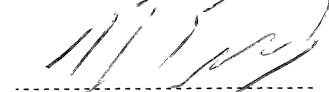
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1. Introduction

This scope of work outlines the description and requirements for the provision of 24-hour emergency spillage response and rehabilitation services for a period of 5 Years at Tutuka Power Station. Emergency spillage response and rehabilitation services is required to ensure timeous response in case of hydrocarbon or chemical spillages to prevent pollution to the neighbouring environment inclusive of water resources as required by the National Water Act (Act 36 of 1998) and related legislation/guidelines/standards/permits and amendments in support of this Act.

In terms of National Environmental Management Act, 107 of 1998, section 28 (1): Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment.

Thus, a specialised cleaning services supplier covering confined space cleaning, high pressure cleaning, tank cleaning, laboratory cleaning, and bulk material handling must be on call 24 hours to provide these services for Tutuka Power Station in the event of a fuel oil and/or chemical spillages incident/event.

2. Supporting Clauses

2.1 Scope

The scope of work (SOW) specifies the required services to be rendered by the Supplier for a period of 5 years and conditions for the acceptance of such a contract. The scope herein does not substitute procurement procedures that will be followed in the procurement process.

2.1.1 Purpose

The scope of work gives detailed information on the expectations of both the Supplier and the Employer (Eskom) for the duration of the 24-hour emergency spillage response and rehabilitation services contract. The purpose of the 24-hour Spill Response contract for Tutuka Power Station is to ensure emergency preparedness and rapid response during hazardous substances spillage incidents and/or execute bioremediation/rehabilitation process known and/or suspected contaminated areas at Tutuka Power Station

2.1.2 Integrated Business Improvement objectives

Ensuring that roles and responsibilities are properly defined and communicated to all, to ensure that safety and reliability of equipment used receives appropriate attention. Promote the use of accurate and cautious approach in performing the activities linked with this service.

2.1.3 Effective Date

When the document is authorised.

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2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] 32-1034: Eskom Procurement Policy
- [3] 32-727: Safety, Health, Environment and Quality (SHEQ) Policy
- [4] ISO 14001:2015 Environmental Management System
- [5] National Environmental Management Act (Act No. 107 of 1998)
- [6] National Environmental Management Waste Act (Act No. 59 of 2008)
- [7] National Water Act (Act No. 36 of 1998)

2.2.2 Informative

- [1] NEC3 Term Services Contract 32-245 Eskom Waste Management Standard
- [2] 32-727 Eskom SHEQ Policy
- [3] DFFE Minimum Requirements for Handling, Classification and Disposal of Hazardous Waste
- [4] 229-12295 Waste Management Procedure
- [5] 240-133087117 Environmental Incident Management Procedure

2.3 Definitions

- Contractor:** The Supplier who is awarded the contract and will deliver the services outlined in the document.
- Employer:** Refers to Eskom, Tutuka Power Station
- Contract Manager:** The employee nominated by Eskom, Tutuka Power Station who will be overseeing the 24-hour emergency spillage response contract
- Emergency Incident:** An unexpected sudden occurrence, including a major emission, fire or explosion leading to danger to the public or potentially serious pollution of or detriment to the environment, whether immediate or delayed (NEMA) and an accident involving the spilling of a harmful substance that finds or may find its way into a water resource (NWA)
- Pollution:** Is the introduction of contaminants into the natural environment that causes adverse change.

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2.4 Abbreviations

Abbreviation	Explanation
EMS	Environmental Management System
DFFE	Department of Forestry, Fishery, and the Environment
Hazmat	Hazardous Materials
HP	High Pressure
IBC	Intermediate Bulk Containers
LP	Low Pressure
NEMA	National Environmental Management Act (Act No. 107 of 1998)
NEMWA	National Environmental Management Waste Act (Act No. 59 of 2008)
ISO	International Organization for Standardization
PPE	Personal Protective Equipment
SCBA	Self-contained Breathing Apparatus

2.5 Roles and Responsibilities

Role	Responsibility
The Contractor	Will provide the 24 hours emergency spillage response and rehabilitation services in line with this scope of work and adhering to all Eskom SHEQ guidelines and South African SHEQ acts.
The Employer	Will inform the Supplier of expected service requirements as documented in this scope of work and all other related procedures.

2.6 Process for Monitoring

The rendered service will be audited as part of the ISO 14001: 2015 Environmental Management System

3. Scope of Work for 24-hour emergency spillage response and rehabilitation services

3.1 Executive Overview

Eskom, Tutuka Power Station intends to enter into a five-year contract with a suitable qualified, experienced and established contractor with the capacity to provide 24-hour emergency spillage response and rehabilitation services, as and when required. Environmental High-Risk 24-hour emergency spillage response and rehabilitation emanates from the day-to-day activities in the Operating department, Production environment and the ongoing maintenance that is done that require a quick response to incidents or events in order to clean all types of spillages that might occur at Tutuka Power Station due to equipment failure or human errors. The immediate response to all types of spillages (all oil types, acid, and other chemicals such as ammonia and chlorine) is a Station requirement to avoid major environmental and fire incidents.

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3.2 Employers Requirements for the service

3.2.1 Services Required

The following services is required:

- Spillage containment and clean-up services (both hydrocarbon and chemical spillages)
- Provision of spillage containment material e.g (booms) to contain oil spillages in case they make way to neighboring water bodies
- Specialized Industrial Cleaning (Tank & sump cleaning etc.)
- High Pressure Cleaning (HP Cleaning)
- Provision of additional emergency Spill kits
- Spill kit product training and Risk assessment
- Provision of Biodegradable and environmentally friendly surface degreasers
- Provision of bioremediation products and conduction the remediation project
- Performing historical polluted site risk assessments and performing the necessary clean up and rehabilitation of such areas
- Provision of Personal protective equipment (PPE) approved by Hazmat
- Provision of a report that details the work done and has visual evidence of the rehabilitation done.
- Disposal of hazardous waste that emanates from the clean up
- Provision of Waste manifest, in case where hazardous substance e.g, contaminated soil was disposed-of at an external hazardous waste disposal site.

3.2.2 Typical Emergency Equipment Requirements

The following minimum equipment is required:

- Oil and Chemical Emergency response vehicles (2) with visible safety / hazmat markings
- Mobile chemical and hydrocarbon transfer pumps and hose
- Mobile high-pressure washers
- Inflatable containment booms
- Waste management vehicle and receptables (bins/skips)
- Crane Trucks
- 50 000 liters Super Sucker Trucks with visible safety / hazmat markings
- Bulk Emergency Storage Containers (Drums, Tanks, IBC'S and Fast tanks)
- Assorted oil skimmers (rope skimmers, floating weir skimmers, disc skimmers, coastal bulk skimmers)
- PPE including level of chemical protective suit, SCBA sets, Level B chemical protective suits, full face air purifying respirators and supplied air respirators.

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3.3 Step Spill Procedures

3.3.1 Assess the Risk

From the moment a spill occurs and throughout the response, the supplier will immediately dispatch a trained hazmat first responder who is able to correctly identify the hazards. The first responder will mobilize the team who will respond with the necessary equipment and consumables. Determines risks that may affect human health, the environment and property. Always put Safety first. If possible, identify the spilled material and determine how much was spilled. The response must take place within 60 minutes after the call has been made.

3.3.2 Select Personal Protective Equipment

Choose the appropriate Personal Protective Equipment (PPE) to safely respond to the spill. Consult Safety Data Sheets (MSDS) and literature from Chemical and PPE manufacturers for the best recommendations. If the supplier is uncertain of the danger and the spilled material is unknown the supplier should assume the worst and use the highest level of protection.

3.3.3 Confine / Contain the Spill

Limit the spill area by blocking, diverting, or confining the spill. Use contained absorbents such as absorbent material and booms as found in the spill kits. Stop the flow of the before it has a chance to contaminate a water resource. Spill kits are designed to facilitate a quick, effective response.

3.3.4 Stop the Source

After the spill is confined / contained, a small team must remain on site to stop the source of the spill in consultation with the standby manager in charge so as not to interfere with the plant operations.

4. Scope Review / Job Task Assessments

The Employer may conduct reviews or job task assessments as deemed necessary of the Contractor's work execution against this Scope and, any other document listed in this Scope.

5. Acceptance

This document has been seen and accepted by:

Name	Designation
Lameck Nyakane	Acting Risk and Assurance Manager
Pieter Potgieter	Business Enablement Manager

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6. Revisions

Date	Rev.	Compiler	Remarks
03 April 2025	1	Xoli Jila	New Document

7. Development Team

The following people were involved in the development of this document:

- Xoli Jila - Senior Advisor Environmental

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