

	SCOPE OF WORK	KUSILE POWER STATION PROJECT
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independent
Environmental Control
Officers (ECOs) Services**

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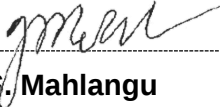
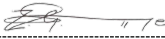
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1. Introduction

The Kusile Record of Decision (Ref 12/12/20/807) that was issued by the Department of Environment Affairs now known as the Department of Forestry, Fisheries and the Environment (DFFE) in March 2008 requires the project to appoint an independent Environment Control Officer (ECO). The ECO was appointed in March 2008 from Nature Conservation Corporation (NCC) and the contract expired in February 2011, thereafter Nsovo Environmental Consulting was appointed, and the contract expired in July 2015. After its expiry Environmental Impact Management Services (EIMS) company was appointed and started on August 2015 and contract ended in July 2018. In August 2018 Nsovo Environmental Consulting was appointed and the contract ended in December 2021. In January 2022 Nema Consulting was appointed as the ECO of the project and the contract ends in December 2023.

2. Scope of Work

2.1 Scope

The service provider is expected to undertake ECO services and ensure project compliance to the Kusile Record of Decisions (RoDs)/ Environmental Authorizations (EAs), Environmental Management Plans (EMPs) /Standard Environment Specification (SES), Waste permit (s), Norms and Standards, and Water Use Licenses (WULs); it should also consider requirements of other relevant regulations; local and national. The services are required for the period of 03 December 2023 to 02 December 2025.

2.1.1 Purpose

The purpose of this document is providing a detailed scope of work for the ECO services to be rendered at Kusile Power Station.

2.1.2 Applicability

These ECO services shall be applicable to the Kusile Power Station and will comprise of pre-construction, construction and commissioning phases only and parts of Generation's scope of work.

2.1.3 Effective Date

The document will be effective from the authorisation date.

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] ISO 9001:2015 Quality Management Systems
- [2] ISO 45001: 2018 Occupational Health and Safety Management Systems Informative, Requirements

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- [3] ISO 14001:2014 Environmental Management Systems, Requirements with guidance for use
- [4] 32-123 Eskom Standard for Emergency Planning
- [5] 240-46315409 Eskom Procedure: Management of Major Occurrences
- [6] 107/1998 National Environmental Management Act 107 of 1998
- [7] 102/1980 National Key Point Act 102 of 1980
- [8] 57/2002 Disaster Management Act 57 of 2002
- [9] 16/2015 Disaster Amendment Act
- [10] Kusile Power Station Record of Decision - 12/12/20/807

2.3 Definitions

Term	Definition
Record of Decision	It is an authorization document that was issued by Department of Environmental Affairs (now known as Department of Forest, Fisheries and Environment) for the construction of KPS
Environmental Monitoring Committee	A committee formed by stakeholders including Community, Authorities, Eskom, Contractors in terms of Environmental Authorization/ RoD

2.4 Abbreviations

AEL	Air Emissions License
AMR	Annual Monitoring Report
CEMP	Construction Environmental Management Plan
SES	Site Environmental Specification
DEA	Department of Environment Affairs
DFFE	Department of Forestry, Fisheries and the Environment
EA	Environmental Authorisation
ECO	Environmental Control Officer
EMPs	Environmental Management Plans
EMC	Environment Monitoring Committee
IESC	Independent Environmental and Social Consultants
IFC	International Finance Corporation
KPS	Kusile Power Station

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NNS	National Norms and Standards
PPE	Personal Protective Equipment
RoD	Record of Decision
RSA	Republic of South Africa
SHE	Safety Health and Environment
WML	Waste Management Licence
WUL	Water Use License

2.5 Roles and Responsibilities

2.5.1 Service Provider

To conduct ECO services at Kusile Power Station based on all Environmental Authorisations issued to the Kusile Power Station Project and related activities from December 2023 to December 2025.

2.6 Process for Monitoring

Site visits, document & audit report reviews and interviews with relevant stakeholders will be used for monitoring.

3. Document Content

3.1 Package scope

The service provider is required to provide sufficient resources to conduct for ECO services for a period of 24 months.

The scope comprises of the following:

- The ECOs on behalf of the Environmental Monitoring Committee (EMC) should, daily monitor the project compliance with conditions of all project RoDs or Environmental authorizations or permits, water use licenses, with environmental legislations and with recommendations of the Environmental Management Plans (EMPs). The ECO should be on site on a fulltime basis working from 07H00 -16H30
- Ensure compliance with conditions of record of decisions, environment management plans, water use licenses, waste permit, environmental regulations and other relevant regulations
- Undertake quarterly contractor's audits and project audits regularly as required by Record of Decisions

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- To act as a quality controller regarding all environment concerns. In this respect, the ECO is to attend regular site meetings, pre-empt problems and provide mitigation measures and be available to advice on incidental issues that arise as well as advise project in environment decision making, prepare environment performance presentation to Environment Monitoring Committee (EMC) members during the meetings
- Where revision of documents is warranted, the ECO would be required to draft such amendments and submit it to the Environmental Monitoring Committee (EMC) for comment prior to submission to DEAT for approval.
- Prepare and present on environment performance presentation to environment monitoring committee members during the meetings
- Report to the Department of Environmental Affairs now known as DFFE
- Advise project in environment decision making
- Advise Eskom if any additional licenses/ authorizations are required prior to commencement of activity.
- Issue non-conformances where necessary and recommend appropriate action.
- Ensure contractors and workers are in possession of ROD and EMP and are familiar with the requirements.
- Review and approve the method statements as per EMP requirements.
- Ensure site diary is kept on site.
- Also keep complaint register for Eskom.
- Responsible for daily, weekly, and monthly report.
- Keeping a photographic progress records.
- Comply with the regulations and terms set out/ stipulated by Eskom.
- Advising on the removal of person(s) and/or equipment, not complying with the specifications, from site.
- The ECOs shall fulfil the function of secretariat for the Environmental Monitoring Committee (EMC) and among others shall be responsible for:
 - Organising meetings in consultation with chairperson.
 - Minutes takings, keeping records of EMC administration.

3.2 Tender Requirements

Health and Safety Risk Management

- Occupational Health and Safety (OHS) plan / OHS manual
- Baseline OHS risk assessment
- Valid letter of good standing or equivalent
- OHS policy (must be signed)

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Environmental Constraints and Management

The Contractor shall comply with the environmental criteria and constraints stated in the Kusile Environmental Management Plan (EMP), Standard Environmental Specification (SES), Waste Management Plan and RoD.

Quality Assurance Requirements

- The supplier and sub-supplier shall develop, implement, and maintain a formal quality management system that conforms to the latest ISO 9001 standard or any applicable standard of quality management system (latest applicable revision) and in accordance with the requirements of this specification.
- Such a formal system shall consist of the appropriate documentation such as a quality manual, quality plans, work procedures, work instructions, method statements, workflow documentation, quality policy, quality objectives etc., as the case may be.

Other

- Proposal is to be submitted by the tenderers for the mentioned scope of work
- Hereafter a contract shall be negotiated with the successful service provider

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Z Shange	General Manager
G. Morake	Middle Manager SHE (Acting)
S. Mahlangu	Environmental Manager
M. Vezi	Senior Environmental Advisor

5. Revision

Date	Rev.	Compiler	Remarks
May 2023	0	Mhleli Vezi	First development

6. Development Team

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

- Gladstone Morake
- Sipiwe Mahlangu
- Mhleli Vezi

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7. Acknowledgement

N/A

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