	Scope of Work	Kendal Refurbishment Projects
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Title: **Kendal Power Station Continuous Ash Disposal Facility (ADF) Project Scope of Work for two (x2) Environmental Control Officers (ECOs)**

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1. Introduction

In terms of the granted Integrated Environmental Authorisation (EA Ref No: 14/12/16/3/3/3/63) condition 6.1 requires Eskom Kendal Power Station to appoint an independent Environmental Control Officer (ECO) for the construction and rehabilitation phase; however due to the magnitude and challenges of the project, the license holder seeks to source two (2) ECOs that will have the responsibility and ensures the following:

- Compliance with the provisions of the approved Integrated Environmental Authorisation (IEA), Environmental Management Programme (EMPr) and Water Use License (WUL).
- The contractor's overall performance on site adheres to all environmental legal requirements, mitigation/ rehabilitation measures and recommendations referred to in the IEA are implemented.
- Maintain records of all activities on site, problems identified, transgressions noted and submit a monthly compliance report to the Department of Forestry, Fisheries and the Environment (DFFE).

As per condition 6.1 of the IEA, the holder of this authorisation must appoint an Independent Environmental Control Officer (ECO) with experience or expertise in the field for construction phase of the development. The ECO will have the responsibility to ensure that the conditions referred to in this authorisation are implemented and to ensure compliance with the provisions of the EMPr.

2. Supporting Clauses

2.1 Scope

To outline the environmental service required for the Kendal Ash Disposal Facility (ADF) project.

2.1.1 Purpose

To source the two (x2) Environmental Control Officers required for the construction of the continuous Ash Disposal Facility (ADF) in line with the requirements of the IEA, EMPr and WUL. Applicability

This document shall apply throughout Eskom Holdings Ltd Divisions and Kendal Power Station.

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2.1.2 Effective date

The document will be effective from the date of authorisation.

2.2 Normative/Informative References

2.2.1 Normative

- [1] Kendal Continuous Ash Disposal Facility Integrated Environmental Authorisation - DEA Reference: 14/12/16/3/3/3/63
- [2] Kendal Continuous Ash Disposal Amended Environmental Management Programme
- [3] Kendal Continuous Ash Disposal Integrated Water Use Licence - DWS Reference: 04/B20E/ABCEGI/3888
- [4] Kendal Continuous Ash Disposal – Specialist Study Report

2.2.2 Informative

N/A

2.3 Definitions

Abbreviation	Description
ADF	Ash Disposal Facility
DFFE	Department of Forestry, Fisheries and the Environment
DWS	Department of Water and Sanitation
ECO	Environmental Control Officer
ECOs	Environmental Control Officers
EO	Environmental Officer
EMPr	Environmental Management Programme
IEA	Integrated Environmental Authorization
WUL	Water Use Licence
PM	Project Manager

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Abbreviation	Description
SHE	Safety, Health and Environment

2.4 Roles and Responsibilities

The deliverables which the *Consultant* is responsible for is not limited to the following:

- I. Providing adequate resources including provision of equipment for required *works*.
- II. Managing cost and a scheduled time frame of work.
- III. Ensuring that the scope is carried out in full.
- IV. Providing regular feedback on the status of the *works*.
- V. Ensuring that prior to any fieldwork, all parties working on site have familiarized themselves with the Employers safety requirements and the Occupational Health and Safety (OSH) Regulations Act (85 of 1993).
- VI. Providing professional service to the Kendal ADF project.
- VII. Attendance of bi-Weekly, weekly and/or ad-hoc meetings with the core team.
- VIII. Weekly and monthly reports.
- IX. All work shall be conducted in accordance with the requirements of the Occupational Health and Safety Act (Act 85 of 1993) as amended.
- X. Continuously present the findings to Eskom project team for review, challenge, recommendations, and approval.
- XI. Ensure that the work is to be done with no impact on the station's performance.
- XII. Provide envisaged program/schedules for the above phase of the scope of work.
- XIII. The appointed Consultant shall undertake the project work with Eskom's employees to assist in transferring of skills.

2.5 Process for Monitoring

The two ECOs submits monthly compliance reports and shall exercise strict and adequate quality control during all phases of the work.

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2.6 Scope of Work

The *Consultants* scope of work entails the following:

- The ECO will act as site 'custodian' for the implementation, integration, and maintenance of the EMPr in accordance with the contractual requirements.
- Monitor and oversee implementation of the EMPr for the proposed construction works.
- Ensure successful implementation of the EMPr.
- Ensure that the Contractor, his employees and/or Subcontractors receive the appropriate environmental awareness training prior to commencing activities.
- Liaise with the Project Manager (PM) on the level of compliance with the EMPr achieved by the contractor on a regular basis for the duration of the contract.
- Advise the PM on the interpretation and enforcement of the Environmental Specifications (ES), including evaluation of non-compliances.
- Keep record of all activities on site, problems identified, transgressions noted, and a schedule of tasks undertaken by the ECO.
- Keep and maintain a detailed incident (including spillage of bitumen, fuels, chemicals, or any other material) and complaint register on site indicating how these issues were addressed, what rehabilitation measures were taken and what preventative measures were implemented to avoid re-occurrence of incidents/complaints.
- Supply environmental information as and when required.
- Review and approve Method Statements produced by the Contractor, in conjunction with the PM.
- Fulfil the duties of the Waste Management Control Officer as stipulated in the IEA.
- Be fully conversant with the Environmental Impact Assessment Report (EIR).
- Be fully conversant with the conditions of the Integrated Environmental Authorisation (IEA), EMPr and the Water Use License (WUL).
- Identify areas to be demarcated particularly sensitive areas (including all No-Go areas) and to pass instructions through the PM concerning works in these areas.
- Monitor any basic physical changes to the environment as a consequence of the construction works.
- Attend regular site meetings and project steering committee meetings.

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- Undertake audits of the construction works as per the Environmental Authorisation requirements and to generate audit reports. These reports are to be forwarded to the PM who will communicate the results and conclusions with the Developer.
- Conduct inspections and generate weekly inspection reports.
- Communicate frequently and openly with the Contractor and the PM to ensure effective, proactive environmental management, with the overall objective of preventing or reducing negative environmental impacts and/or enhancing positive environmental impacts.
- Advise the Project Manager (PM) on remedial actions for the protection of the environment in the event of any accidents or emergencies during construction, and to advise on appropriate clean-up activities.
- Deal with all Landowner related matters.
- Review complaints received and make instructions as necessary.
- Identify and make recommendations for minor amendments to the EMP as and when appropriate.
- Report any problems (or complaints) which cannot first be resolved in co-operation with the Contractor(s) to the Project Manager.
- Report any non-compliance with the conditions of the Environmental Authorisation to the Competent Authority.
- Submit Environmental Compliance Audits to the Competent Authority as and when requested by the Competent Authority.
- Form part of the project's Environmental Monitoring Committee (EMC), bi-annually present to the EMC stakeholders on all the monitoring / audits undertaken and be responsible for response to authorities.
- Maintain the following on site:
 - A daily site register
 - A non-conformance register (NCR)
 - A public complaint register
 - A register of audits; where applicable
- Remain employed until the completion of the construction and rehabilitation phases.

2.7 Timeframe

The contract duration for this service is for twenty-three (23) months.

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3. Acceptance

This document has been seen and accepted by:

Name	Designation
Vusi Mlandu	Site Project Manager
Denvor Fielies	NEC Contracts Manager
Marika Landman	Safety, Health and Environmental Manager
Tsholofelo Sehebeng	Senior Advisor Projects

4. Revisions

Date	Rev.	Compiler	Remarks
March 2020	1	D Nkosi	Develop the scope of work regarding the sourcing of environmental services.
March 2022	2	D Sereme	To add an extra resource to oversee the execution of the project.

5. Development Team

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

- Mbekezeli Ndaba
- Delisiwe Sereme

6. Acknowledgements

N/A

7. List of Appendices

Appendix 1 – Integrated Environmental Authorization

Appendix 2 – Amended Environmental Management Programme

Appendix 3 – Water Use Licence

Appendix 4 – Kendal Continuous ADF Specialist Study Reports

Appendix 5 – Kendal Continuous ADF Masterplan

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