

	Scope of Work	Camden Power Station
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Title: **Scope of Work for Camden Power Station Provision of Clean Conditions Officer Services on “As and When Required Basis” for a Period of 48 Months** Document Identifier: **229-T2905**

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1. Introduction

Camden Power Station is conducting outages to perform the maintenance required to enhance the performance of the station. It is the clean conditions requirement that one or more clean conditions officer (CCO) must be appointed by the power station to ensure the work is conducted with a minimised risk to the equipment as possible. Camden Power Station has a lot of general overhauls and other outages planned for the next five years. To avoid any delays in the appointment of the CCO during outages, a contract must be established to provide the CCO services to Camden Power Station.

2. Supporting Clauses

2.1 Scope

The scope of work shall include the Provision of Clean Conditions Officer Services during outages on the generator plant. This is a requirement under clean conditions to ensure that no foreign material are left inside the generator and avoid catastrophic failures of this level 1 plant component. Moreover, this document serves as a guideline to enable the potential Contractor to compile and submit their quotation for the required services.

2.1.1 Purpose

The purpose of this document is to ensure suitable and capable Supplier for Scope of work for Provision of Clean Conditions Officer Services is identified and allocated the work for execution.

2.1.2 Applicability

This scope is applicable to Camden Power Station, as well as other coal fire power stations (under exceptional circumstances).

2.1.3 Effective date

This document will be effective from the date of its authorisation.

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- Quality Management Systems
- [2] 240-76960420- Guideline for Spares Procurement Technical Evaluation and Quality Inspection
- [3] 32-1033 - Eskom Procurement and Supply Chain Management Policy
- [4] 32-1034 - Eskom Procurement and Supply Chain Management Procedure
- [5] 474-132 - GBE Plant Engineering Baseline Change Management

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- [6] Public Finance Management Act 1 of 1999.
- [7] The Preferential Procurement Policy Framework Act 5 of 2000.
- [8] 240-62072907 The Eskom Delegation of Authority Policy.
- [9] The Broad-Based Black Economic Empowerment Act 53 of 2003, including the Broad-Based.
- [10] Black Economic Empowerment Regulations, 2016.
- [11] Preferential Procurement Regulations 2017.
- [12] National Treasury Regulations (to the extent as indicated in the regulations).
- [13] National Treasury Standard for Infrastructure Procurement and Delivery Management (NT prescription for Infrastructure Procurement).
- [14] National Treasury Regulations (Contract Management Framework).
- [15] Promotion of Access to Information Act 2 of 2000 (PAIA).
- [16] The Companies Act, 2008 and including the Companies Regulations, 2011.
- [17] 32-173 Conflict of Interest Policy.
- [18] 32-527 The Eskom Code of Ethics Standard.
- [19] 240-81328492 Eskom Value Standardisation and Cataloguing Procedure.
- [20] Prevention and Combating of Corrupt Activities Act 12 of 2004.
- [21] B-BBEE Codes of Good Practice of 2013.
- [22] 240-113650212 Eskom Supplier Integrity Pact.

2.2.2 Informative

- [23] 32-727 Safety, Health, Environment, and Quality (SHEQ) Policy
- [24] Generation Plant Engineering Life Cycle Planning/Strategic Report for Direct Current Systems 2014: 474-10053
- [25] 240-62196227 Eskom Life Saving Rules
- [26] Occupational Health and Safety and Regulation No 85 of 1993
- [27] Directive: Consolidated COVID 19 Direction on Occupational Health and Safety Measures in Certain Workplaces
- [28] 32-225 Declaration of Interest Procedure
- [29] 32-727 SHEQ Policy
- [30] 32-1303 Execute Maintenance Work PCM
- [31] 32-1304 Manage Maintenance Work PCM
- [32] 32-1205 Eskom Maintenance Policy
- [33] 240-53717264 Tender Office Standard.
- [34] Eskom's Integrity Pact with Supplier
- [35] 240-147251449 Camden Power Station Generator Clean Conditions Requirements Work Instruction

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[36] 240-56178527 Generator Clean Conditions Requirements Work Instruction

2.3 Definitions

Definition	Explanation
Employer	Eskom, Camden Power Station
Employer Representative	Any person appointed in writing by Employer as the delegated Employer representative in terms of the provisions
Plant	Any structure, machinery, apparatus, or equipment which does not fall within the scope of the operating regulations for high voltage systems, and excludes, mobile, portable lifting equipment, domestic circuits' appliances, and tools.
Supplier	Contractor contracted to provide the services to Camden Power Station

2.4 Abbreviations

Abbreviation	Explanation
BOQ	Bill of Quantities
CCC	Site Clean Conditions Champion
CCO	Clean Conditions Officer
CC&FME	Clean Conditions & Foreign Material Exclusion
ILR	Internal Lead Reviewer
POAC	Principal Official Access Controller
PQP	Process Quality Plan
SAP	Systems, Applications and Programmes Software
SOW	Scope of Work

2.5 Roles and Responsibilities

2.5.1 Supplier:

- Provide a quotation for the services.
- Provide the CCO services as per the contract.
- Confirm correctness of the personnel qualifications and experience.
- Timeously inform the Employer of any delays or when outstanding or additional information from the Employer is required.
- Ensure that quality services are delivered.
- Timeously inform the Employer of any changes in the personnel appointed as CCO.
- Ensure that every effort is made to keep to the agreed program and plan.
- All *Supplier* employees entering site complies with Eskom's policies and site regulations, adherence to Eskom's Life Saving Rules, adherence to Generation Occurrence Management Procedure, Smoking Policy, zero tolerance on alcohol usage, etc. These requirements will be detailed during the induction training process.
- Ensure that all staff brought onto site in connection with this SOW should be able to fluently speak, understand and write in English language.

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2.6 Process for Monitoring

Not Applicable.

2.7 Related/Supporting Documents

Not Applicable.

3. Provision of CCO Services Scope of Work

3.1 Description of the works

3.1.1 Provision of clean conditions officer services

Eskom has an enormous investment in generators. Damage induced to generators as a result of foreign material ingress during outages has major financial loss implications for Eskom, which far outweigh the already considerable costs of repairing the machine themselves. This, in turn, can have adverse effects on the tariffs and quality of service to our customers. The generator clean conditions requirements work instruction document sets out the minimum requirements which are to be met whenever these machines are opened to be worked on. Failure to control the work process may lead to catastrophic machine failure.

One or more clean conditions officer (CCO) must be appointed by the power station to mitigate the risk associated with the work conducted in accordance with the work instructions 240-56178527 and 240-147251449.

The CCO represents the Power Station in all aspects of the Generator Clean Conditions process. In certain outages and depending on the SOW and associated risks, it may be recommended to appoint multiple CCO's. The CCO must be positioned as to be unbiased and independent in all aspects of decision making.

The Contractor provides personnel, administration and other services and items required to complete the scope of the works. The appointees must meet the requirements stipulated in chapter 3.1.2.

3.1.2 People

The Contractor provides all the personnel required to execute the scope of the works. The available individuals for the duties of CCO must have the following minimum criteria:

- a. Individuals must have a technical qualification (N4 or higher in engineering).
- b. Individuals must have completed an Eskom accredited clean conditions training program.
- c. Individuals must have generator related experience of at least 2 years.
- d. Have shift work capability.

The CCO must report to the ILR in a Clean Conditions capacity.

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The main responsibility of the CCO is to review the daily work execution (per shift) in the Clean Conditions Area against the requirements of this Work Instruction. Further duties of the CCO include, but are not limited to:

- a. Provide the ILR with the necessary assurance that the Clean Conditions Area control is adequately executed based on the minimum requirements of this Work Instruction.
- b. Approve Clean Conditions Area Permit Applications. The CCO further has the authority to reject or revoke permits based on valid reasons and must inform the ILR and CCC of this.
- c. Draw up (and update) the Clean Conditions Organisation Chart (including contact numbers) and ensure that it is displayed in the Access Container.
- d. The authorisation of allowing a visitor into the Clean Conditions High Risk and or Low Risk. The authorisation of a visitor will be documented in the Clean Conditions file.
- e. Review the daily logbooks as maintained by CC&FME. The purpose of the logbook is to record observations, suggestions and deviations that cannot be recorded in the registers.
- f. Ensure that the Clean Conditions files are maintained by Turbo Gen Services and Risk & Resilience and that there is compliance with the requirements of this Work Instruction.
- g. Ensure that Clean Conditions Area equipment is in a fit for use condition.
- h. Ensure compliance of the approved floor plan.
- i. Ensure that Clean Conditions Area inspections are conducted as per the review requirements.
- j. Report Official Access Controller poor performance related issues to the ILR and CCC.
- k. Report poor housekeeping and cleanliness of the Clean Conditions work area and cabins to the CCC and POAC.
- l. Ensure that the fire extinguisher test certificates are valid for the duration of that outage.
- m. Ensure that the generator Tool Container is audited by the Asset Controller, CCC or POAC against the tool inventory list. Further to this the CCO must ensure that the contents of the Tool Container are inspected daily and that the tools are without any defects. Defects should be recorded in a dedicated lost or damaged tool register and must indicate the corrective actions taken.
- n. Ensure that the relevant Generator Clean Conditions internal inspection sheets are available.
- o. Ensure that the Generator Tool Container Inventory list and the relevant Generator Spare Parts List is available
- p. Responsible to perform Clean Conditions Reviews as per the review requirements of this Work Instruction and sign off the necessary PQP hold points.
- q. Highlight any potential Clean Conditions risks (including mitigation measures) to the ILR for further action.
- r. Ensure that work requirements that deviate from the normal work practices are approved via the concession process as detailed in this Work Instruction.

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3.1.3 Bill of Quantity

Below is the outage listing forecast for the next five years with their durations:

Outage ^{IN}	Outage Code	Static ^Y	Unit ^Y	Planned/Actual Start Time	Planned/Revised End Time	Outage Description	Planned Duration
43855	CD04UGO-08-12-2025	Camden	4	2025/12/08 00:00:00	2026/04/03 23:59:00	GO	117.00
43856	CD03UST-15-01-2026	Camden	3	2026/01/15 00:00:00	2026/03/11 23:59:00	ESV & Gov Refurbishment	56.00
46082	CD01UST-06-02-2026	Camden	1	2026/02/06 00:00:00	2026/03/06 23:59:00	HSSD	29.00
45135	CD02UST-07-02-2026	Camden	2	2026/02/07 00:00:00	2026/03/05 23:59:00	HSSD	27.00
49254	CD06UST-17-11-2026	Camden	6	2026/11/17 00:00:00	2026/12/19 23:59:00	HSSD	33.00
45138	CD05UST-19-11-2026	Camden	5	2026/11/19 00:00:00	2026/12/21 23:59:00	HSSD	33.00
45139	CD07UST-20-11-2026	Camden	7	2026/11/20 00:00:00	2026/12/20 23:59:00	HSSD	31.00
43857	CD06UGO-12-02-2027	Camden	6	2027/02/12 00:00:00	2027/06/08 23:59:00	GO	117.00
43859	CD02UGO-08-08-2027	Camden	2	2027/08/08 00:00:00	2027/11/05 23:59:00	GO	90.00
43858	CD08UGO-16-10-2026	Camden	8	2026/10/16 00:00:00	2027/01/13 23:59:00	GO	90.00
43860	CD05UGO-18-07-2027	Camden	5	2027/07/18 00:00:00	2027/10/15 23:59:00	GO	90.00
43861	CD03UGO-22-11-2027	Camden	3	2027/11/22 00:00:00	2028/02/19 23:59:00	GO	90.00

The Supplier shall provide 6 qualified CCOs to be appointed for every outage with a duration more than 40 days on as and required basis.

3.2 Documentation

The following are the *Supplier's* requirements:

- The Employer may make clarification sessions available to either prospective *Supplier/s* to further assist the prospective *Supplier's* to meet the requirements of the supply scope delivered by the *Supplier*.

3.3 Management and Reporting

- The *Supplier* to be represented at any ad-hoc meetings that may arise to address any scope and safety related matters.
- Liaison meetings be held with the Employer's Representative or his/her delegate on as and when required basis to discuss any technical details, or concerns.

3.4 Acceptance of Spares

3.4.1 Spares Identification

Not applicable.

3.4.2 Obsolescence

Not applicable.

3.4.3 Design, Manufacturing and Testing

Not applicable.

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3.4.4 Replacement Parts Upgraded/modified

Not applicable.

3.4.5 Packaging

Not applicable.

3.4.6 Transportation

The Employer is not responsible for providing accommodation and transportation of the personnel appointed as CCOs under this contract to and from Camden Power Station.

3.4.7 Guarantee of delivered spares and services rendered

All delivered services rendered comes with an at least 12-months guarantee period starting from the *delivery date*.

4. Acceptance

This document has been seen and accepted by:

Full Name and Surname	Designation

5. Revisions

Date	Rev.	Compiler	Remarks
November 2025	02		Contract duration and outage forecasted dates Updated.
May 2025	01		Original Issue.

6. Development Team

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

- Electrical Engineering
- Outages

7. Acknowledgements

Not applicable.

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