	Specification	Kusile Power Station
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Title **Kusile Power Station Lubrication and Purification Scope of Work**

Document Identifier **KUS-20240532**

Alternative Reference Number

Area of Applicability **Kusile Power Station**

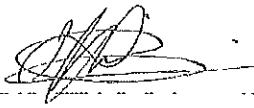



Functional Area **Outages**

Revision **1**

Total Pages **17**

Next Review Date **May 2029**

Disclosure Classification **Controlled Disclosure**

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Date 26/06/2024	Date 26-06-2024	Date 01/07/2024	Date 2/7/2024

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1. Introduction

An invite will be issued calling for interested parties to participate in the tender process for the equipment lubrication, purification supply of purification filters and management of oils and greases function to a suitably qualified, experienced, and well-established Partner. This document describes the detail of the applicable plant areas, scope of work, standards, quality, requirements, specifications, terms & conditions as well as the criteria to qualify for the tender.

2. Supporting Clauses

2.1 Scope

This strategy defines the technical tender evaluation strategy for the Kusile Power Station lubrication, purification, and supply of purification filters during Outage Scope of Work.

- Purification of seal oil tank to the accepted Eskom standard
- Purification of the Turbine Main Oil Tank (MOT) to the accepted Eskom standard
- Purification of the LP Bypass Hydraulic oil tank to the accepted Eskom standard
- Purification of the BFP Minimum flow valve hydraulic oil tank the accepted Eskom standard
- Purification of Vorecon oil and the BFP oil to the accepted Eskom standard
- Purification of mill hydraulics tank to the accepted Eskom standard
- Topping up of oil in the mills
- Topping up of SSC and GAH oil
- Supplying of purification filters

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, and the TET member responsibilities for the tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process. It is also to define the Total Fluid Management (TFM) activity requirements for Kusile Power Station. It is therefore imperative that the successful and suitably qualified Partner aligns his/her organisation fully to the TFM activities and processes laid down in this document.

2.1.2 Applicability

This strategy document applies to all Lubrication and Purification activities associated at Kusile Power Station Plant areas that requires during Outage Scope of Work.

2.1.3 Effective date

This document is effective from 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.

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2.2.1 Normative

- [1] 240-48929482 Tender Technical Evaluation Procedure
- [2] 32-1034 Eskom Procurement Policy
- [3] 240-53716746 Tender Technical Evaluation Report Template
- [4] 240-53716712 Tender Technical Evaluation Results Form Template
- [5] 240-53716726 Tender Technical Evaluation Scoring Form Template
- [6] Kusile Power Station Waste Management Work Instruction (240-105776552)
- [7] ISO 9001 Quality Management Systems
- [8] In-Service Monitoring of Lubricating Oils and Hydraulic Fluids (240-83797737)
- [9] National Environmental Management Waste Act No 26 of 2014
- [10] National Environment Management Act No 14 of 2009
- [11] Occupational Health and Safety & Regulations Act No 85 of 1993

2.2.2 Informative

Kusile outage 12 months philosophy

2.3 Definitions

2.3.1 Contractor: Service provider contracted for supplying specific service to Eskom, Kusile Power Station

2.3.2 Employer: Eskom, or Eskom Kusile Power Station

2.3.3 Total Fluid Management: Lubricants supply, equipment lubrication and management of oils and greases

2.3.4 Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary)

2.4 Abbreviations

Abbreviation	Explanation
CV	Curriculum Vitae
SE	System Engineer
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
TFM	Total Fluid Management
BU	Business Unit
COC	Certificate of Compliance

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Abbreviation	Explanation
KPA	Key Performance Area
KPI	Key Performance Indicator
MSDS	Material Safety Data Sheet
PCLF	Planned Capability Loss Factor
PM	Plant Maintenance
PPE	Personal Protective Equipment
PS	Power Station
PSR	Plant Safety Regulations
PTW	Permit to Work
ISO 55000	International Standard for the Management of Physical Assets
QA	Quality Assurance
QC	Quality Control
QCP	Quality Control Plan
QMP	Quality Management Programme
SABS	South African Bureau of Standards
SANS	South African National Standards
SAP	Systems, Applications, Products (Plant Maintenance, Procurement, Finance and Materials Management) integrated computer system
SHE	Safety, Health, Environment
SOW	Scope of Work
UCF	Unit Capability Factor
UCLF	Unplanned Capability Loss Factor
URS	User Requirement Specification

2.5 Roles and Responsibilities

Compiler	The document compiler is responsible for ensuring that this document is up- to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content
Functional Responsibility (Outage Manager Execution)	The Functional Responsible Person shall determine if the document is fit for purpose before the document is submitted for authorisation
Authoriser (Engineering Group Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives, and requirements. He/she shall authorise the release and application of the document
Lead Discipline Engineers	a Provides input to the technical tender evaluation strategy and associated engineering activities
The Employer	a)The Employer is responsible for Total Fluid Management b)The Employer and Contractor in this SOW is committed towards the following I Retention of critical skills

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	<ul style="list-style-type: none"> ii Continuous cost reduction iii Health & Environment Safety b
Condition Monitoring	a)The Contractor shall assist in the implementation, recommendations and corrective actions which are identified by the Kusile Power Station Condition monitoring system
Continuous Improvement	<ul style="list-style-type: none"> a)The Contractor shall implement a program of continuous improvement to optimise Plant performance and reduce system and equipment failures b)The Contractor shall participate in improvement programs as stipulated by the employer
Management and Reporting	<ul style="list-style-type: none"> a)The type of reporting, level of detail and frequency of reporting will be communicated by the Employer to the Contractor during the contract negotiation phase of this agreement. These may change from time to time on request by the Employer and the Contractor shall ensure compliance to the changes b) The Contractor to be represented at all maintenance, production and outage related meetings which may be daily, weekly, or monthly c) The Contractor to be represented at all Employer safety meetings d) The Contractor to be represented at any ad-hoc meetings that may arise to address any investigations, production, or safety related matters e) Liaison meetings shall be held with the Employer's Representative or his/her delegate monthly to discuss any technical details, or concerns
Quality and Documentation Control	<ul style="list-style-type: none"> a)The Contractor shall ensure that any witness, hold, and inspection points are strictly adhered to b)All Quality References and Standards as stipulated in this document will be adhered to c) Work will only be conducted with an Employer approved Quality Management Programme d) The Contractor shall utilise the Employer's quality documentation management system and processes
Project Implementation	<ul style="list-style-type: none"> a) The Contractor shall supply a project implementation plan including at least the following <ul style="list-style-type: none"> i Site establishment ii Manpower plan iii Organogram iv Skills required and associated cost per skill (e.g., artisan, site manager, etc.)

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<p>Manpower Requirements</p>	<p>a) The number of maintenance staff required to execute the works is to be recommended by the Contractor after his/her assessment of the scope of work and submitted to the Employer for approval</p> <p>b) The successful Contractor shall utilise/provide skilled and suitably qualified staff with current experience and knowledge in the following but not limited to</p> <ul style="list-style-type: none"> i Working knowledge of SAP system ii Plant lubrication and lubrication operations management iii Occupational Health and Safety Act 85 of 1993 and SHE Standards iv NEC contract management v Quality Management Control and Assurance as per ISO Standards vi Document compilation vii BOM compilation <p>c) Staff must meet minimum requirements as stated in Appendix A.1 <i>Before any staff is brought to site, the Employer shall be consulted for verification of these requirements and approval</i></p> <p>d) The Contractor is responsible to verify all staff qualifications through an accredited body. Proof of qualification and verification is to be supplied to the Employer before any staff is brought to site</p> <p>e) The Contractor ensures that all staff being brought onto Kusile site has a valid fitness certificate based on the specified plant man-job specification</p> <p>f) The Contractor shall employ in and about the execution of the works only such persons that are careful, competent, and efficient in their several trades. The Employer shall be at liberty to instruct the Contractor to remove any person employed by the Contractor as part of this agreement who misconduct's himself/herself, under-qualified, incompetent, negligent in performance of his/her duties and such person shall not be again employed for this contract without the written permission of the Employer</p> <p>g) The Contractor is required to provide daily supervision of all related plant <i>through trained and competent personnel</i> to ensure that inspections & work activities are conducted daily</p> <p>h) The Contractor shall ensure proper behaviour of personnel under his/her supervision as per the Kusile culture</p> <p>i) The Contractor shall ensure that all personnel are made aware of the Eskom Life Saving Rules, and it is strictly enforced according to Eskom's Disciplinary rules and regulations</p>
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	<p>a) A proposed structure and / or man plan shall be submitted with proposals for activities as per Scope of Work stipulated in the tender document</p> <p>b) The Contractor shall as far as reasonably possibly make use of local (Ogies/ Phola/Emalahleni/ Middleburg/ Delmas/Bronkhorstspuit) manpower to execute the works</p>
Safety, Health, and Environment	<p>a) The Contractor shall during the duration of the contract ensure that they conform and adhere to the safety, health and environment regulations as stipulated in the Maintenance URS 414-32-C&IM-SP</p>
The Contractor	<p>a) The Contractor shall compile improvement programmes to enhance plant performance and achieve cost reductions and the Employer will approve such programmes</p> <p>b) The Contractor shall be responsible for Lubrication of all lubricated equipment at Kusile Power Station</p> <p>c) The Contractor shall be responsible for maintenance of all automatic lubrication systems at Kusile Power Station. These systems include oil and grease systems</p> <p>d) All equipment lubricated while in operation shall be monitored for abnormal noises and vibrations. Any anomalies should be reported to the employer</p> <p>e) During Outages the Contractor may be required to provide additional manpower. A pre-agreed number of additional staff at the same service fee as staff available on site shall be made available for the Outage. Any additional cost will be agreed between Employer and Contractor. The Contractor shall be responsible for the supply of all lubricants, lubrication of all plant equipment and management of lubricants as per Employer's instructions, processes, and systems.</p> <p>f) The Contractor shall be responsible for the supply of lubrication consumables such as breathers, filters, single point automatic lubricators, grease nipples, cleaning solvents and other consumables associated with plant lubrication and automatic lubrication systems</p> <p>g) The Contractor shall provide all required lubrication and purification equipment</p> <p>h) The Contractor shall make use of local black economic empowerment using black business. The Contractor during the duration of the contract shall train persons from the local community in relation to the works, such proof shall be given to the Employer for verification and acceptance</p> <p>i) Performance will be measured by the Employer against those areas which contribute to the Employer's business (e.g., Reliability, Availability and Safety) and the Contractor shall comply with all areas of measurement. Areas of measurement include the Employer's key business indicators and will be redefined from time to time</p> <p>j) The Contractor shall provide the following complementary services to improve Plant and labour performance can be defined as follows</p>

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	<p>i Project management</p> <p>ii Compile Work Instructions</p> <p>iii Technical advice</p> <p>iv Operational and production process review</p> <p>v Asset management in accordance with ISO 55000</p> <p>k) The Employer may request the Contractor to ensure that an accurate description and quantity of lubricants used is maintained in the Employer's stores and the Contractor informs the Employer as to any recommended changes</p> <p>l) The Contractor is to ensure that any service rendered does not interfere with the Employer's scheduled work and the Contractor should be aligned with the Employer's work control management process</p> <p>m) The contract entered with the Contractor is non-exclusive and work against this contract can only be performed upon receipt of a task order</p> <p>n) All works will be subject to anytime inspection from the Employer</p> <p>o) The Contractor maintains all year round, agreed base crew at Kusile Power Station which is supervised by the Contractor with any changes to the crew being negotiated and agreed upon with the Employer</p> <p>p) This contract is for preventative, predictive, corrective maintenance (breakdowns), opportunity maintenance and outages</p> <p>q) Spillage is viewed to be very important for plant housekeeping and any spillage caused because of the Contractor shall be contained and cleaned by the Contractor and brought to the attention of the Employer by means of an investigation report. Spillages and waste disposal shall be managed according to the National Environmental Management Act and the Kusile Power Station Waste Management Work Instruction (240-105776552)</p> <p>r) The Contractor shall perform leak checks on all responsible plant areas and inform the Employer's representative accordingly. Defects must be raised on the maintenance management system to address any plant deviations</p> <p>s) The Contractor shall be responsible or held liable for the repair of any defects arising from lubrication faults, this will also apply in failures where after investigation it is discovered that the failure is due to incorrect or lack of lubrication</p> <p>t) The Contractor shall ensure the integrity of plant labelling and that deficiency with regards to KKS labelling is reported immediately. The Contractor will not be allowed to install its own identification labels on the plant</p> <p>u) The Contractor must ensure that they have responsible persons (in terms of PSR) for any work performed on plant. This requires individuals to successfully complete a written and oral examination for the relevant regulation based on the Plant Safety Regulations</p> <p>v) All maintenance technically qualified (above semi-skilled) Contractors will be trained and shall be authorised (in terms of PSR) within 6 months of the contract award date. Training will be supplied by the Employer.</p>
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	<p>w)Before any work starts on site the Contractor is responsible to submit their Safety File to the Employer for review and acceptance</p> <p>x) The Contractor is also responsible for their employees' annual medical checks which must be up to date and kept in the Safety File. Site Induction must be done before any work is done by any Contractor on site</p> <p>y)The contractor shall ensure 24-hour availability of key personnel for emergencies in a form of standby. The personnel to be available for 24 hours will be decided by the Contractor and be submitted to the Employer for approval. The Contractor shall comply with the Kusile Power Station standby procedure which states a response time of 1 hour. Response times may change due to operational needs and the Contractor shall comply with the changes</p>
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2.6 Process for Monitoring

The primary process for monitoring will be governed by the Tender Technical Evaluation Procedure (240-48929482), this entails assuring that the design achieves the requirements set out in this document. Any changes to this document will be performed as per Project Engineering Change Management Procedure (240- 53114026)

2.7 Related/Supporting Documents

N/A

3. Re-Commissioning

all plant equipment maintained shall be re-qualified as per site specific procedure after any maintenance intervention

The Contractor shall be responsible or held liable for the repair of any defects arising from lubrication faults after an intervention, this will also apply in failures where after investigation it is discovered that the failure is due to incorrect or lack of lubrication

Note: Generation Maintenance and Condition Monitoring Department to be informed immediately after any intervention

3.1 Contractor's Management

- Before work starts on site, an inaugural meeting is held with the Contractor and the Employer, to explain in detail all requirements of the Site Regulations
- The Contractor is issued with a file of current Site Regulations on arrival. The file remains the property of the Employer and the Contractor is responsible for its maintenance and updating to include new or revised regulations as issued by the Employer
- The Contractor must ensure that all personnel operating mobile equipment and vehicles are authorised, this includes but not limited to

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- I Forklifts
- II Mobile Cranes
- III Overhead Cranes
- IV Elevated platforms
- d) The Contractor shall be responsible for the regular inspections and daily equipment checks of the mobile equipment and vehicles including record keeping
- e) *The Contractor must ensure that all personnel performing work on the plant are authorised, this includes but not limited to*
 - I Working at Heights
 - II Scaffolding
 - III Hazardous substances
 - IV Fire Fighting
 - V First Aid Level 1 and 2
 - VI Confined space training

3.2 Works Information

3.2.1 Total Fluid Management

- 1 The Contractor shall be responsible for the procurement and supply of all lubricants (Oil and Grease) on a consignment stock basis provided the lubricant is suitable for the required application and meets both the Employer and equipment manufacturer requirements and specifications
- 2 The Contractor shall be responsible for the flushing of oil on the hydraulic and lubrication systems. The Contractor will be responsible for tank cleaning in all lubrication skids
- 3 The Contractor shall be responsible for purification and filtering of oil in all lubrication and hydraulic systems
- 4 The Contractor shall only work on plant equipment that is identified by the Employer. No work shall be done on plant equipment that is not permitted to work on
- 5 The Contractor shall ensure that lubricants in storage conform to equipment manufacturer's specifications regarding viscosity and particles
- 6 The Contractor shall be responsible for cleaning of all oil and grease drip trays and dispose according to environmental procedures
- 7 The Contractor may be required to take samples of all oil and grease delivered on site and the Employer will be responsible for analysing the samples according to OEM requirements/specifications and records of delivery kept
- 8 The Contractor shall ensure that all lubricants delivered to site have their respective MSDS sheets attached and stored for record purposes
- 9 The Contractor shall ensure that correct lubricants are used in all equipment to be lubricated
- 10 The Contractor will be liable for equipment failures resulting from use of incorrect lubricants

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- 11 The Contractor shall not use any lubricants that are not approved by the Employer in writing
- 12 The Contractor shall offer advice with regards to the following
 - a Filter Management
 - b Lubrication tank cleaning
 - c Filter cleaning solvents
 - d Lubricants contamination
 - e Leak Management

3.2.2 Lubrication storage and handling

- a) The Contractor will be responsible for management of the lubricant stored on site
- b) The Employer will make available suitable secure premises on site that can be used for lubricants
- c) The Contractor shall provide all bulk tanks, containers, dispensing equipment, transfer pumps, safety equipment, funnels, hoses etc necessary to equip, operate and manage the lubricant storage and dispensing facility
- d) The Contractor shall indicate any civil and or construction requirements for the installation of bulk tanks, bundling or any construction Any permanent installation will be subject to the Employer's approval Contractor shall ensure that the maximum quantity of oil is kept in suitable storage areas as per legal requirement
- e) The Contractor shall be responsible for housekeeping in the lubricant storage and dispensing area / facility
- f) The contractor will conduct a formal Risk Assessment and inform the Employer before any bulk materials handling is done

3.2.3 Lubrication selection

- a) The Contractor will carry out detailed lubricant survey as per the Employer's template of the power station including the common plant The lubricant survey will include a list of all lubricated items, plant and equipment and the recommended lubricant for each item The lubricants recommended must meet the Employer's and OEM requirements The Employer will approve the lubricant survey for implementation
- b) The lubricant survey must be updated to reflect product changes and specification changes
- c) The Contractor must ensure that all lubricants are compatible with the equipment to be lubricated
- d) The Contractor must ensure that any obsolescent lubricant is replaced with an equivalent lubricant which will be approved by the Employer
- e) No lubricant will be replaced if not agreed to by the Employer
- f) The Contractor must implement a lubricant rationalisation and consolidation strategy consistent with the equipment requirements The strategy should rationalise lubricant types and package sizes

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3.2.4 Lubricant Related Maintenance

- a) The contractor shall be responsible for assisting the Employer in the review of preventative maintenance programs that include lubrication. Such assistance will include the development of work instructions and inspection requirements.
- b) The Contractor shall be responsible for carrying out maintenance tasks such as oil system top ups, greasing, lubricant system flushing and fluid maintenance tasks such as external filtration and oil analysis when required.
- c) The Contractor shall carry out planned maintenance tasks on shutdowns and or on unit outages as well as on an ad-hoc basis as and when required by the Employer.
- d) Lubrication procedures consistent with best practice must be available in an accessible format on-site for all lubrication tasks to be performed and stored on SAP.
- e) The Contractor will be responsible to have adequate flush and fill machines on site.
- f) The Contractor must be able to perform filtration services (offline filtration and fluid regeneration).
- g) The Contractor shall have the capability to perform storage and purification of oil more than 12000 litres and purify up to 3 microns.
- h) The contractor will be responsible for the following:
 - i Identification of all equipment to be lubricated
 - ii Review equipment requirements (OEM, Eskom specs, previous lubes)
 - iii Identify system volumes (oil & grease volumes)
 - iv Leakage and spillage control on site
 - v Cleaning of oil traps and maintenance of equipment
 - vi Consumption optimisation
 - vii Implement and maintain QA systems
 - viii Task based risk assessments for all task carried out
 - ix Maintenance equipment inspections (fluid levels & equipment condition)
 - x Contractor must have bulk storage systems
 - xi Incoming fluid cleanliness assurance
 - xii Portable filtration systems
 - xiii Mobile fluid filtration and reclamation systems
 - xiv Perform sampling (excluding oil analysis), maintenance and waste management of fuel oil
 - xv Dehydration equipment
 - xvi Certificate of waste oil/grease disposal (where required)

3.2.5 Lubrication Management

- a) The Contractor shall be responsible for the development and implementation of lubrication operations management programme with the following capability:

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- I Complete and detailed asset register of all serviced equipment
- II Lubricant consumption report details to 0.01 litre
- III Parts/spares consumed
- IV Filters and breathers consumed
- V Used oil recovered
- VI Lubricants containers recovered
- VII Lubricants issued to plant for consignment stock
- VIII Plant equipment defect reported to Eskom maintenance staff
- IX On demand reporting
- X Detailed filtering reports (per lubricant, equipment number, section, dates)
- XI Detailed monthly reporting on all the above-mentioned data to be submitted to Eskom contract custodian
 - b) The lubrication operations management programme is to be in line with the Eskom In-Service Monitoring of Lubricating Oils and Hydraulic Fluids guideline (240-83797737)
 - c) The Employer will approve the final lubrication operations management programme before implementation. The Contractor will consult with the Employer to establish which equipment is included and the frequency
 - d) The Contractor will be responsible for identifying correct sampling points and providing the Employer with a list of requirements for additional sample point installations
 - e) The Contractor shall be responsible for taking oil samples on a regular basis as required by oil analysis program. The samples will be analysed by the Employer
 - f) The Contractor shall ensure that lubricants from all oil and grease drip trays does not overflow and is disposed according to Kusile Power Station environmental procedures

3.2.6 Continuous improvement

- a) The Contractor shall implement a program of continuous improvement to optimise lubricant performance and reduce lubricated system and equipment failure rates
- b) The Contractor will be responsible for participating in root cause failure investigations as required by the Employer
- c) The Contractor will participate in improvement programs pertaining to lubricated equipment
- d) Any lubricant performance testing for product changes and upgrade must be approved via the Employer's change management processes as implemented at Kusile Power Station

3.2.7 Waste management

- a) The management and disposal of lubricant waste and used oils will fall within the responsibility of the Contractor. The costs for management of such a program must be stated separately
- b) All lubricant related waste management must comply with legislation applicable to the Kusile Power Station and may be audited from time to time by the Employer

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- c) The Contractor will be required to contain spillages and clean up oil / liquid fuel spillages
- d) The Contractor to compile a spillage procedure for the Employer's approval.
- e) The philosophy around spillages is whoever spills pays as per National Environmental Management Act section 28
- f) All Waste Management will be performed as per the National Environmental Management Act 107 of 1998

3.2.8 Lubrication Equipment in the Plant Area

- a) The Contractor will be responsible for the selection and procurement and maintenance of lubricant dispensing equipment required for executing the program
- b) The Contractor shall ensure that all applicators are able to accurately measure quantities used
- c) The Contractor as far as reasonably practicable shall install different fittings to lube and grease points as to prevent gross contamination
- d) The Contractor will be responsible for the provision of all sampling equipment required for oil sampling. The sampling bottles should be kept in a clean state, and they should be changed regularly if different oils are used on the same bottles. The Sampling bottles used to collect samples should be clearly marked with the specific KKS Nr of the equipment where the oil sample was taken, this should be done to avoid mixing samples
- e) The Contractor will be responsible for the provision of transportation and other logistic items required for transporting lubricants around the power station
- f) The Contractor shall supply a schedule of all capital equipment required for the storage and handling of lubricants and estimated costs

3.2.9 Lubrication documentation control

- a) The Contractor will ensure that the relevant documentation is available on site to manage the lubrication and related programs
- b) Documentation should at least include
 - i Job descriptions for all site-based personnel, roles and responsibilities of the Contractor's staff and sub-contractors
 - ii A documented quality manual
 - iii Lubricant technical data sheets and material safety data sheets
 - iv Lubricant storage and handling procedures
 - v Standard work instructions for the planned maintenance program and other oil maintenance activities
 - vi Critical task procedures where the activity has high risks
 - vii Health safety and environmental procedures
 - viii Copies of relevant technical specifications and standards from OEM's and Eskom
 - ix Training material

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- c) All required documents will be available to the Employer at any time. On completion or termination of the contract, the Contractor will issue the complete documents to the Employer in an electronic, Microsoft office compatible format as well as on hard copies. All these documents will be the Employer's property.
- d) The Contractor conforms to the following Quality Management requirements:
 - i. The quality requirements are as per ISO 9001
 - ii. The Contractor submits a fully detailed Quality management programme (QMP) for acceptance within four weeks of the contract date
 - iii. No work is allowed on site unless the Employer accepts the QMP
 - iv. The Contractor utilises the Employer's quality documentation forms for requesting access, erection checks etc. these request forms are to be submitted to the Employer at least one week prior to the requested activity, or as agreed to by the Employer
 - v. The Contractor is responsible for defining the level of QA/QC or inspection to be imposed on his sub-contractors and suppliers of material. This level should be based on criticality on plant and material and be submitted to the Employer for acceptance
 - vi. The Contractor submits a schedule of unpriced orders to be placed that is updated monthly
- e) The Contractor submits a quality report monthly, including the following:
 - i. A list of defects with those older than 14 days being flagged, and explanation attached
 - ii. Inspections completed/outstanding
 - iii. Project quality progress report
 - iv. The Contractor submits the following:
 - v. QA plan/manual
 - vi. Organogram
 - vii. Copy of all work instructions and procedures when requested by the Employer
- f) No design and development activities are required

3.2.10 Technical Support

The Contractor should be available for technical support related to the selection, use, monitoring and disposal of lubricants and lubricant related activities such as storage and handling as and when required.

3.2.11 Training

The Contractor shall provide basic lubrication and related training to the Employer's staff and the Contractor's staff on an as and when required basis.

3.2.12 Requirements for the programme

The project implementation plan for this contract must be submitted on an MS Project format on a signed hard copy as well as a soft copy.

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4. Acceptance

This document has been seen and accepted by

Name	Designation
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Musa Ngwane	Boiler Engineer
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5. Revisions

Date	Rev.	Compiler	Remarks
May 2024	1	Khazamula Xivun	First issue

6. Development Team

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

Khazamula Xivuri

Nonhlanhla Zikalala

7. Acknowledgements

N/A

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