

	Scope of Work	Generation
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Title: **Control, Co-ordination and Performance of Quality Control Activities and Physical Inspections on Maintenance, Outages and Projects related Activities at Tutuka Power Station for a Period of 5 Years.**

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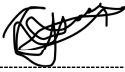
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1. Introduction

This contract establishes the framework for the provision of resources to perform physical Quality Control (QC) inspections and testing in support of maintenance, outages and project activities at Tutuka Power Station. The duration of this contract is set for a period of five (5) years.

The scope includes, but is not limited to, the verification of compliance with technical specifications and regulatory requirements, documentation reviews, witnessing of critical inspections and tests (on and off site), and the provision of quality-related reports and recommendations. These services will be carried out in collaboration with station personnel and other *Contractors* to support Tutuka Power Station's commitment to operational excellence and continuous improvement.

A *Contractor* is required to provide this service to strengthen its quality management systems, mitigate operational risks, increase production, and ensure the long-term reliability and safety of Tutuka Power Station.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

To outline the requirements for the provision of resources to Control, Co-ordinate and Perform Quality Control Activities, Physical Inspections and testing during Maintenance, Outages and Projects.

2.1.2 Applicability

This scope is applicable to Tutuka Power Station.

2.1.3 Effective date

The effective date will be 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

ISO 9001:2015 Quality Management Systems

240-168966153: Generation Tender Technical Evaluation Procedure

240-106628253: Standard for Welding Requirements on Eskom Plant

32-1034: Eskom Procurement and Supply Chain Management Procedure

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32-1033: Eskom's Procurement and Supply Chain Management Policy

240-53114186: Document and Records Management

OHSA: Occupational Health and Safety Act 85 of 1983

Occupational Health and Safety Act, 1993 (No 85 of 1993): OHS Act, Regulation and code

QM58: Supplier Quality Management Specification

2.2.2 Informative

N/A

2.3 Definitions

None

2.4 Abbreviations

Abbreviation	Explanation
CPP	Condensate Polishing Plant
CSY	Coal Stockyard
CW	Cooling Water
ESP	Electrostatic Precipitator
HP	High Pressure
ISO	International Standards Organization
LP	Low Pressure
NCR	Non-Conformance Report
NRV	Non-Return Valve
OHS Act	Occupational Health and Safety Act
PF	Pulverised Fuel
PP	Pressure Parts
PPE	Personal Protective Equipment
QC	Quality Control
QCP	Quality Control Plan
QIP	Quality Inspection Plan
SANS	South African National Standards
SSC	Submerged Scraper Chain
SHEQ	Safety Health Environment and Quality
QA	Quality Assurance

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2.5 Roles and Responsibilities

The relevant stakeholders' roles and responsibilities will be as stated below:

2.5.1 Maintenance Department

- a. Compiles scope of work for the Quality Control Contract
- b. Conducts technical evaluation, as per the issued technical evaluation strategy
- c. Responsible to coordinate the works, all contract management requirements and liaising with the *Contractor*
- d. Responsible for supervising the works being executed at all times
- e. Ensures that quality legislation and standards are adhered to, and quality practices are implemented at all times during execution of the works.

2.5.2 Quality Department

- a. Reviews the scope of work for the Quality Control Contract
- b. Conducts technical evaluation, as per the issued technical evaluation strategy
- c. Ensures that quality legislation and standards are adhered to, and quality practices are always implemented during execution of the works.

2.5.3 Principal *Contractor*

- a. As per OHS Act (85/1993), executes scope of work as issued by the Employer without causing harm to the personnel, environment, and plant equipment/machinery.
- b. Ensure good plant safekeeping after the execution of their duties and store all waste/dirt in designated areas as stipulated by Eskom personnel.

2.5.4 Tutuka Environmental

- a. Ensures that environmental legislation and standards are adhered to, and environmental practices are always implemented during execution of the works.

2.5.5 Tutuka Safety

- a. Ensures safety legislation and standards are adhered to, and that safety practices are always implemented during execution of the works.

2.6 Process for Monitoring

This document is controlled disclosure for Tutuka Power Station.

The procurement department will adjudicate the tender evaluation and contract appointment. The *Contractor* will daily/weekly/monthly compile a report which will ensure the works are executed within the relevant technical aspects and SHEQ requirements

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2.7 Related/Supporting Documents

[1] Technical Evaluation Strategy

[2] NEC

3. Constraints

3.1 General Constraints

- a. Compulsory tender briefing session/scope clarification meeting will be conducted, and details thereof will be shared with all.
- b. All technical queries to be directed to the Maintenance Department.
- c. *Contractor* to provide returnable schedules in accordance with the technical evaluation strategy issued by the *Employer*.

3.2 Site Constraints

- a. All activities will be conducted on plant that is isolated. It should be noted that the adjacent plant might be in operation and where applicable, a risk assessment to be conducted for every task and approved by the *Contractor's* safety officer to ensure a safe work environment.
- b. The *Contractor* must ensure they provide skilled and qualified personnel to execute the required works.
- c. All environmental laws and regulations must be adhered to during the execution of the works.
- d. The *Contractor's* tools, machinery, equipment, and execution of work must not impair the operation or access to the station and other plant areas.
- e. During execution of the scope of work, the appointed *Contractor* must note that they share the site with other *Contractor/s* conducting observations, inspections, operations, and maintenance activities.

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4. Scope of Work

4.1 Executive Summary

Works information

- Co-ordinate, oversee and quality control activities
- Conduct toolbox talks on a daily basis.
- Perform physical inspections on maintenance, outage, project and commissioning activities
- Provide Leadership on Quality end to end process
- Transfer of skills to the Tutuka Power Station's employees
- Determine / recommend requirements for quality control inspections
- Provide professional advice and leadership on Quality Control issues
- Raise an NCR against those executing scope without following quality procedures and processes.
- Monitor compliance to Eskom procedures, standards, processes, and QCP requirements and report quality related issues
- Submit weekly quality reports for quality inspections activities
- *Contractor* to understand Eskom's Quality Requirements and to be provided with Quality related Procedures.
- All Eskom required training will be provided by Eskom.
- All personnel who enter the station must abide to Eskom rules and regulations and will comply with Eskom Life Saving rules.
- All communications must be printed and filed in Service Manager's file.
- Timesheets to be logged and signed by *Services Manager* and *Contractor*.
- All PPE to be provided by *Contractor* and must be SABS approved.
- All work to be done under permit to work.
- Yearly induction and medical surveillance to be done for all personnel

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Co-ordinate and control quality activities

- Review and approve quality control plans as per Eskom's Supplier Quality Management Specification considering high priority defects, production, targets, plant availability, unplanned maintenance, staff, *Contractors*, and spares availability etc
- Approve "stop work" orders if quality and safety standards are compromised
- Review and approve identified quality deficiencies
- Control the close-out of quality deficiencies (NCRs) by reviewing and approving initiatives, proposals or corrective actions for improvements
- Prioritise activities for quality control verifications
- Implement and control QC processes by reviewing all documentation and system information and validate information to maintain accurate data.
- Perform /check/ control job observations.
- Identify potential project quality risks
- Ensure scope of work is executed in accordance with the applicable codes.
- Responsible for QC of all repair work.
- Responsible to identify possible additional work which may be required.
- Support the PP Engineer with the implementation of modifications.
- Responsible for signing off all repair SOW.
- Support PP Engineer during initial Inspection.
- Responsible to identify requirements relating to access.
- Support the PP Maintenance Supervisor to ensure that all *Contractors* are available for the outage.
- Support the PP Maintenance Supervisor with submitting the SOW to *Contractors*.
- Support the PP Maintenance Supervisor to issue all repair material.
- Responsible to monitor repair activities in the boiler.
- Support the Outage Controller with the stock taking of boiler tubes, shields, brackets and other ancillaries.
- Responsible to ensure that all allocated action stemming from incident investigations are completed timeously.

Perform Physical Inspections on Maintenance, Projects, Commissioning and Outage activities

- Perform quality inspections on and off site.
- Perform inspections and determine if standards are met.
- Identify and report non-compliances.
- Recommend possible changes to standards or practices.
- Assess, monitor and report good and sub-standard work practices.
- Verify that documentation conform to requirements and standards by reviewing work packages, maintenance and outage plans, procedures and modification packages according to the relevant administrative controls, identify and report non-conformances.
- Inspection reports are used to document the condition of the plant, assets and communicate findings.
- Address identified issues promptly and ensure that necessary repair/steps or adjustments are completed.
- Raise defect notifications where defects have been identified
- Follow up on any plant related issues/defects/repairs with the proper documentation.

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- QCP'S - Signing off signifies that the individual accepts responsibility for the plan's implementation and effectiveness in maintaining quality.
- Provide Professional advice and leadership on QC issues
- Advise and provide leadership on all Quality related issues.

4.2 Employer's requirements for the Service

Employer's requirements for the service

The *Contractor* will provide the following service:

- Influence quality control methods and documentation to meet any changes to requirements
- Assist Eskom personnel and service providers to compile and review QCPs and ITPs
- Assuring adherence to Eskom Quality standards and procedures
- Verifying that documentation CONFORMS to requirements and standards.
- Collaboration with other departments during plant inspection activities
- The *Contractor* will attend meetings to discuss any items arising in connection with this Quality contract with the Service Manager and to complete the assessment
- Attend station meetings
- Identify and report non-conformances
- Prioritize activities for quality control verifications.
- Assess, monitor and report good and sub-standard work practices
- Conduct external inspections of suppliers and products for conformance to specifications
- Verify processes, planning, work packages, procedures
- Verify conformance to standards and assist in the prevention of recurring deviations
- Review work packages, planned maintenance, procedures and modification packages according to the relevant administrative controls.
- Assist and advise on technical history reviews.
- Investigate and initiate / recommend / assist with proposals for corrective actions and the improvement of poor quality
- Control corrective actions arising from quality deficiencies and expedite the closure thereof.
- Trend and report quality deficiencies.
- Advice and assist Employer with regards to procedures and work packages compilation.
- Liaise with Engineering, Operating, Projects, Outages and Maintenance on any plant related issues
- Drawings, memo's, out of normal, scopes, cutting instruction to be issued by the Engineer
- Provide advice with regards to rules, regulations and code requirements (welding)
- Liaise with departmental line sections with regards to queries.
- Conduct presentations and / or training on quality control practices.
- The *Contractor* to carry out Quality Control activities by performing physical inspections during normal maintenance, commissioning and Outages as per the Employer's specifications.
- All inspections done by the *Contractor* should be in accordance with Employer's requirements.
- Inspections of all new plant areas not listed in this contract shall be carried out for each discipline on the Employer's site only.

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4.3 Employer's Objectives

High Quality service to be delivered to Tutuka Power Station on Quality Control activities in all Plant Areas

Electrical Quality Inspections (all plant areas)

- Generator inspections and tests
- HV and LV transformers inspections and tests
- HV and LV motors inspections and tests
- HV and LV electric cables inspections and tests
- Generator Circuit Breakers inspections and tests
- Protection Tests
- Switchgear inspections and tests
- Boards Maintenance
- Isolated Phase Bus bars and Bus Ducts inspections
- Lighting and small power Installations inspections and tests
- Hydrogen plant systems inspections and tests
- Electrostatic Precipitator plant inspections and tests
- DC Plant inspections and tests
- Conduct root cause failure analysis and subsequent postmortem
- Conduct inspection on the refurbishment of all electrical plant equipment
- Conduct Audits

Turbine Quality Inspections (all plant areas)

- Valves
- Condensate drains cooler
- LP and HP safety valves pressure testing
- LP and HP heater valves
- Feed water valves
- Auxiliary steam range valves (steam valves, safety valves, steam air injectors, including the main range isolating valves)
- Electric feed Pumps
- Boiler Feed Pump Turbine
- Audits
- Scope reviews
- Incident investigations
- Challenge schedules
- QCP review and approval

Outside Plant/ Inside Plant Mechanical Quality Inspections/ Boiler Plant (all plant areas)

- ASH and Dust plant
- Slurry Plant
- Air Heaters
- FD, PA and ID fans
- ESP Plant

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- Mills, Feeders and Dampers
- Pumps
- HP bypass valves (spraywater and main valves) and hydraulic control systems
- Valves
- Precipitators
- Stores receiving inspections
- Conveyors (CSY, Coal and Ash)
- SSC
- Soot Blower System – lances, poppet valves, sootblower valve station, drain lines, supply lines
- Turbine leg drains NRV's, hand isolating and hand regulating valves
- Boiler vents and drains (0m level, 3m level, 16m level and 57 m level)
- 50% Drains – Isolating and Regulating (including bypass valves)
- Boiler main steam stop valves (including bypass valves)
- Auxiliary steam range
- Circulation system pump, cooler and valves
- Spray water system (Superheaters and Re-heaters)
- Air heater washing tanks and control valve systems
- Brine Concentration Plant
- Pressure Parts
- HP Pipework
- PF Burners
- Fuel Oil/Oil Burners
- Blow Down Vessel & connecting pipework
- Sump & Trenches
- Dirty and Clean Water Dams.
- All Civil related work (Road works, structures, dams, dredging, buildings, sewerage, drainage system)
- Demin storage tank and Deaerator, steam valves and safety valves

Welding Quality Inspections (all plant areas)

All plant welding (non -pressure part) or excluding pressure part welding:

- Fuel oil Burners
- Precipitators (Welding)
- Mills
- Dampers
- Valves (as per Employer's scope of work)
- Audits
- Stores Inspection
- Internal and External Evaluations on *Contractors* (Due Diligence).
- Safety file review
- Material identifications (PMI)

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Auxiliary Quality Inspections (all plant areas)

- Valves on CPPs and air ejectors
- LP and HP safety valves pressure testing
- LP and HP heaters valves
- Feed water valves
- LP Demin tanks
- Air receiver and safety valves pressure testing
- Compressors
- De-Aerator Tank pressure test and valves
- Feed water tank valves.
- Station pressure vessel valves
- Statutory inspections on all safety valves
- Coal Handling and Conveying Plant
- Ash Handling and Conveying Plant
- Dust Handling and Conveying Plant
- Re-heaters spray water valves
- Chemical services (all mechanical equipment, pumps valves and pipes)
- Lime plants, all systems
- CW system {cw on mills, lube oils, fans, motor coolers, ssc make ups, circulation pump cooler)
- Tutuka Aerodrome
- All Water Reservoirs
- Cooling towers
- Cranes

Control and Instrumentation (C&I) Quality Inspections (all plant areas)

- Calibrations and calibration standards
- Instrumentations
- Boiler, Turbine and Outside plant protections
- Boiler, Turbine and Outside plant controllers
- Plant actuators and control valves stroking
- Control and Instrumentation plant projects and refurbishments
- Cold and hot commissioning
- Inspection of spares and materials before entry to spares
- Creation, review and approval of QCP / ITPs
- Review of procedures and maintenance plans
- Incident investigations and root cause analysis
- Evaluation of tender quality returnable
- Fire Detection system
- Actuators – stroke check
- Audits

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Safety Officer

- Ensuring the implementation of HSE (Health, Safety and Environmental) standards and procedures.
- Assisting Eskom (R&A) by coordinating and conducting regular HSE audits and Inspections and ensure final outcome reports are submitted into the system.
- Guiding management / Eskom in establishing the HSE plan and support the implementation thereof.
- Ensuring that the Occupational Health and Safety Act and the Regulations as well as all other applicable legislation (including the National Environmental Management Act – NEMA) is adhered to in the workplace.
- Conducting and coordinating site specific induction training as well as training with regards to HSE standards.
- Assisting with risk/aspect identification, evaluation and development of safe work procedures.
- Assisting with the investigation and reporting on incidents and accidents that occur.
- Updating, maintaining, and reporting on leading and lagging HSE indicators.
- Ensure the HSE Management System is effectively controlled and administered on site in line with legal, ISO 45001 and ISO 14001 requirements
- Coordinator of HSE System regarding static closure and HSE Incident reports
- Ensure all HSE procedural requirements are managed within the system
- Filing of all records and documentation as per HSE filing system to ensure Eskom HSE Program records are maintained
- Ensure induction records are well maintained
- Promote HSE awareness
- Coordinate monthly HSE Committee meetings and produce minutes
- Updating of training matrix
- Non-financial duties: process HSE related invoices & payments
- Compile weekly Toolbox Talks
- Conduct Plant inspections to identify hazards
- Take all reasonable and practicable steps to ensure a safe and healthy work environment exists & maintained for all
- Capture monthly data on incidents, accidents, injuries, near misses and damage to property & update and submit to Eskom
- Maintain HSE reference manual and documentation including distribution of new changes
- Capture weekly & monthly HSE stats as per reporting timelines
- Carry out document control, distribution & control and communication of changes to the system
- Ensure that appropriate records are properly controlled

Quality Administration

- Ability to prepare clear, accurate and concise reports. charts and graphs
- File, maintains and updates quality records and provide status reports as and when required to the Service Manager
- Ability to prioritize work effectively in order to meet changing demands
- Ability to maintain effective robust management systems
- Effective analytical and problem solving
- Update quality assurance procedures, practices and systems as required
- Generates updates of all quality control and assurance status to the Quality team

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The Qualification and Experience Requirements

#	Resource Title	Qualifications and Experience
1.	Administrator	- The Quality Administrator must have at least Grade 12 with Certificate in Office Management - Computer Literacy skills (Microsoft Office) 1 year experience of working in the office environment - Effective analytical and problem-solving skills - Ability to communicate clearly, concisely and effectively, both verbally and in writing - Be self-motivated, proactive and able to use own initiative whilst working as part of the team
2.	C&I Quality Inspector	- National Diploma in Instrumentation Engineering (Light Current/C&I) - Quality Management System Certificate 6 years of Heavy Industry experience of which 3 years is at a Power Station. 5 Years of Quality Control experience - DCS/SCADA/PLC experience. - Commissioning/Decommissioning - Experience - Knowledge or experience of - Eskom quality processes - Knowledge of Pneumatics and Hydraulics - Data book inspection, reviews and release.

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#	Resource Title	Qualifications and Experience
3.	Civil Quality Inspector	• National Diploma in Civil Engineering. • 5 years' Civil & Structural construction works experience of which at least 2 must have been in a heavy industry. • Understanding of the Occupational Health and Safety Act 85 of 1993, SANS 347 and also construction regulations . • Experience of managing quality control documentation/data books (Maintaining records of documentations including inspections, reports, test results and site instructions). • Knowledge of ISO 9001 requirements (advantageous). • Knowledge of Civil Engineering construction materials testing, (i.e., soil testing, concrete testing, structural steel inspections) building codes and quality standards is essential. • Knowledge of NCR processes. • Ability to read and interpret engineering drawings and documentation (method statements and review of scopes).
4.	Electrical Quality Inspector	• National Diploma in Electrical Engineering (Heavy Current) • 8 years of Heavy Industry experience of which 4 years is at a Power Station. • 5 years Electrical QC Inspector • Must be able to review scopes, generate or review PQPs • Must be able to read engineering Drawings • Knowledge of NCR processes • Knowledge of ISO 9001 • Conduct Quality Audits • Data book inspection, reviews and release.

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#	Resource Title	Qualifications and Experience
5.	Mechanical Quality Inspector	• National Diploma in Mechanical Engineering • 6 years of Heavy Industry experience of which 3 years is at a Power Station. • Knowledge of valves, gearboxes and rotating equipment e.g. pumps • Thorough understanding of conveyor belt systems operation, splicing, pulley lagging and belt repairs. • Ability to read measuring instruments, e.g. micrometer, vernier caliper, etc., • Knowledge in alignment of drive trains and or verification thereof. • Ability to check run outs. • Ability to read and interpret engineering drawings. • Hydraulics and pneumatics knowledge and understanding. • Knowledge of NCR processes. • Knowledge of ISO 9001 processes and procedures. • Data book inspection, reviews and release. • Understanding of Plant Condition Monitoring techniques and interpretation of results. • Knowledge and understanding of Power Plant Cooling Water Systems. • Have experience in the overhauling of pumps, valves (H.P & I.P control valves, emergency stop valves), and lube oil pump systems.

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#	Resource Title	Qualifications and Experience
6.	Quality Supervisor	• National Diploma in Engineering • 10 years Heavy Industrial Experience of which 5 years at a Power Station, 2 years Supervisory Experience • 5 Years Quality Control experience • Certificate of any Quality related courses • Knowledge of ISO 9001: 2015 quality management system • 5 Years Quality Auditing Experience • Sound knowledge of Eskom Business processes • Knowledge of safety and risk assessment • Root Cause Analysis • Failure analysis • Knowledge of supplier audits • Knowledge of deviation control through NCR procedures. • Data book inspection, reviews and release.
7.	Safety Officer	• 5 years Safety Officer experience • Program in Safety Management • HIRA • Combined ISO 14001 & ISO 45001 Implementation • Combined ISO 14001 & ISO 45001 Introduction • Legal Liability • HSERQMAT (SAMTRAC) • ISO 14001 & ISO 45001 Internal Auditors • HSE Supervisor • Incident Investigation • Risk Assessment • Computer Literacy (Microsoft Office Suite)

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#	Resource Title	Qualifications and Experience
8.	Welding Quality Inspector	Either SAIW Welding and Fabrication Inspector Level II or IIW International Welding Inspector: Comprehensive (IWI- C) or IIW International Welding Inspector: Standard (IWI- S) • 6 years of Heavy Industry experience of which 3 years is at a Power Station. • 3 years of Quality Control experience in Welding • Knowledge of receiving and inspections on all plates, pipes and tools components. • Experience and good knowledge of scope of work reviews. • Review of QCP's, Verification of Drawings and Materials. • Verification marking out of cut lines as per Engineering Instructions. • Verification of NDT reports and procedures. • Verification of consumables. • Witnessing of fit-ups, root runs and weld contour. • Verify welding procedures and welding qualifications. • Control of deviation through NCR procedures. • Final inspection data book reviews and release. • In depth knowledge of all welding standards, design, inspections and testing Codes • Specifications relevant to Power Generation industry. • Witnessing pressure and leak tests. • Red seal welding certificate is an added advantage • Data book inspection, reviews and release. • Knowledge of ISO 9001:2015 and ISO3834 Standards

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#	Resource Title	Qualifications and Experience
9.	Welding Supervisor (All Plant Areas)	SAIW Welding and Fabrication Inspector Level I with either International Welding Specialist, (IWS) or International Welding Practitioner, (IWP) • 6 years of Heavy Industry experience of which 3 years is at a Power Station. • 3 years of Quality Control experience in Welding • Knowledge of receiving and inspections on all plates, pipes and tools components. • Experience and good knowledge of scope of work reviews. • Review of QCP's, Verification of Drawings and Materials. • Verification marking out of cut lines as per Engineering Instructions. • Verification of NDT reports and procedures. • Verification of consumables. • Witnessing of fit-ups, root runs and weld contour. • Verify welding procedures and welding qualifications. • Control of deviation through NCR procedures. • Final inspection data book reviews and release. • In depth knowledge of all welding standards, design, inspections and testing Codes • Specifications relevant to Power Generation industry. • Witnessing pressure and leak tests. • Red seal welding certificate is an added advantage • Data book inspection, reviews and release. • Knowledge of ISO 9001:2015 and ISO3834 Standards

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Contractor to adhere to the following:

The *Contractor* will also provide: -

- Documentation that verifies that the work performed meets the minimum standards established by the specifications.
- Weekly and Monthly activity reports to indicate their involvements in the daily running of the Power Station and interface with the relevant department.
- Monthly presentation of quality risks, issues and improvement actions.
- Report reworks and cost saving methods.
- Conduct and Provide report on Supplier/*Contractor* quality internal Audits.
- Offer on the job and awareness training.
- Submit monthly reports for plant failure mode analysis

SPECIAL REQUIREMENTS

- Risk assessments must be completed before each task.
- *Contractor* shall comply with the Eskom Lifesaving rules.
- Eskom safety, quality and outage meetings to be adhered to
- The *Contractor* will comply with Eskom Quality Standards.
- Site conditions will be according to the Eskom and Safety regulations standards.
- Tools, site, cabins and equipment shall be inspected by *Contractor* and check sheet must be filled and ensure to maintain good housekeeping.
- Audits on *Contractor* will be done on a frequent basis.
- All Eskom Safety Regulations must be adhered to.
- Approve Quality Control Plans and Contract Quality Plans as per requirement of QM58
- Eskom Transport procedures to be always adhered to
- The *Contractor* to have and comply to the following documents: -
 - Quality Management System Requirements ISO 9001: 2015 version
 - Valid Certification of Quality Management System by an ISO accredited body
 - The *Contractor* to be ISO 9001: 2015 certified

General

- Perform Quality control activities on Maintenance, Outages, Projects and Commissioning activities as-and-when requested.
- Working hours is Eskom working time and overtime might be required depending on the workload.
- A request for absence from the workplace must be negotiated with Eskom. In periods of absence a negotiated substitute will replace the absentee.
- Additional resources are to be brought upon request and approval by the Employer.
- In case of a *Contractor's* employee (Quality Inspector) leaving work or terminating His/her contract for any reason, The *Contractor* shall ensure replace the absent employee within 1 calendar month.
- All records will be seen as Eskom property and may not be used for other companies.
- Any deviations to the program / plan to be communicated within eight hours.
- The *Contractor* will be working along with other *Contractors*
- *Contractor* to supply own consumables
- Private calls and internet connection will be on the account of the *Contractor*

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- The *Contractor* to provide proof of experience and qualifications for approval by Service Manager.
- The *Contractor* will report directly to the Service Manager.
- Audit on *Contractor* will be done on a frequent basis as per Employer's Audit Plan.
- *Contractor* to make use of own facilities and provide own tea, coffee, sugar, etc.
- Quality control plan and contract Quality plan approval process standards as per QM 58 to be adhered to.
- The *Contractor* will make use of the LAR system.
- Workers register and Risk Assessment Form must be completed before each task.
- Eskom required and relevant training for the services will be provided by Employer.
- All communications must be done electronically or printed and filed in Service Manager's file.
- *Contractor* personnel to attend meetings as requested by the Service Manager
- Timesheets to be logged and signed by Service Manager and *Contractor*.
- All PPE to be provided by *Contractor* at own cost and must be SABS approved.
- Yearly induction for all personnel.
- All work to be issued via the SAP Plant Maintenance system (Work Order & Purchase Order).
- All defected equipment / material to be reported to the Employer via SAP System.

5. Manpower Requirements

The *Contractor* will provide the following resources. Resources will also be required to conduct offsite inspections as and when required.

Resource Discipline	Quantity
Administrator	1
C&I Quality Inspector	2
Civil Quality Inspector	1
Electrical Quality Inspector	2
Mechanical Inspector	6
Quality Supervisor	1
Safety Officer	1
Welding Quality Supervisor	2
Welding Quality Inspector	6
Total	22

The *Contractor* will be required the provide the following resources on an as and when required basis:

Resource Discipline	Quantity
C&I Quality Inspector	1
Civil Quality Inspector	1
Electrical Quality Inspector	1
Welding Quality Inspector	4
Total	7

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6. Acceptance

This document has been seen and accepted by:

Name	Designation
Aneske Jurie	Risk and Assurance Manager
Armando Mathebula	Manager, Technical Support
Bennie Naude	Senior Advisor, C&I
Elvis Maremene	Maintenance Manager
Geoff Ledwaba	Engineering Manager, (<i>Acting</i>)
Jerry Dlamini	Manager, Routine Works Management
Kebebe Moilola	Programme Manager, (<i>Acting</i>)
Lebogang Ramphago	Manager, Turbine Engineering
Lucas Nyembe	Manager, Contracts
Mandla Hlatshwayo	Senior Advisor, Electrical
Mikateko Matlole	Manager, Mechanical Maintenance
Mxolisi Ntanzu	Outage Manager
Nathi Mabaso	Manager, Auxiliary Engineering
Nomkhosi Ramonotsi	Manager, C&I Maintenance
Phathamandla Sithole	Manager, Civil Engineering
Pikela Chauke	Manager, Boiler Engineering, (<i>Acting</i>)
Rhulani Lowani	Manager, Mechanical Maintenance
Ryan Hector	Manager, Electrical Engineering
Sello Kgantsi	Manager, Mechanical Maintenance
Takalani Mabirimisa	Manager, Turbine Maintenance
Terry Maseko	Contracts Manager
Yolanda Musi	Senior Advisor, Electrical Compliance

7. Revisions

Date	Rev.	Compiler	Remarks
July 2026	2	M Mona	Review scope, (input from Chief Advisor and update Functional Responsibility
August 2025	1	M Mona	Document development

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8. Development Team

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

- Armando Mathebula
- Kea Merementsi
- Lebogang Mthimunye
- Lebogang Ramphago
- Marius Prinsloo
- Mosiuoa Mona

9. Acknowledgements

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- Godfrey Cothama

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