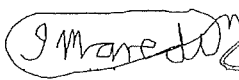
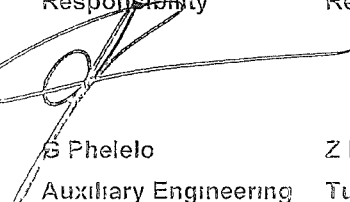
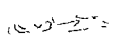


 Eskom	Strategy	Engineering
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Title	Tender Technical Evaluation Strategy Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment	Unique Identifier	31521
		Alternative Reference Number	NA
		Area of Applicability	Engineering (Reliability)
		Documentation Type	Strategy
		Revision	1
		Total Pages	22
		Next Review Date	N/A
		Disclosure Classification	CONFIDENTIAL

Compiled by	Functional Responsibility	Functional Responsibility	Authorised by
			
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Date 05/09/2025	Date 10/07/2025	Date 10/07/2025	Date 30/05/2019

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1. INTRODUCTION

Matla Power Station requires a 5-Year Term Service Contract (TSC3) which makes provision for Surface Preparation, Internal & External Corrosion Protection (Using Coatings and/or Linings), Vessel Pressure Testing, Calibration and of Safety Valves, Replacement of Safety Valves and Name Plates on an "As Needed" Basis. Currently the resources to execute these statutory maintenance activities are not available on-site. A brief description of the services required are provided below.

- Conduct Internal and/or External Surface Preparation on Vessels prior to Corrosion Protection application on an "As Needed" basis determined by Eskom Engineering and the In-Service AIA
 - Internal surface preparation shall meet the requirements of the project specific specifications (Refer to Appendix IV in the SoW) as well as Section 4.7 of 240-101712128 Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with Linings. The following project specific internal corrosion protection specifications are provided in Appendix IV of the SoW
 - GAM MAT 22 234 Matla Power Station Vessel Corrosion Protection Rubber
 - GAM MAT 22 235 Matla Power Station Vessels Organic Lining Specification
 - External surface preparation shall meet the requirements of the project specific specifications (Refer to Appendix V in the SoW) as well as Section 4.6 of 240-106365693 Standard for the External Corrosion Protection of Plant, Equipment and Associated Piping with Coatings. The following project specific external corrosion protection specifications are provided in Appendix V of the SoW
 - CPS03 Non-Aggressive External Environment (< 80°C)
 - CPS04 Internal or External Environment (81°C to 200°C), Un-Lagged
 - CPS05 Internal or External Environment (201°C to 540°C), Un-Lagged
 - CPS06 Internal or External Environment (< 150°C), Lagged
- Conduct External Corrosion Protection with Coatings on an "As Needed" Basis determined by Eskom Engineering and the In-Service AIA
 - The Colour of the External Corrosion Protection shall meet the requirements of 240-145581571 Standard for the Identification of the Contents of Pipelines and Vessels as detailed in Appendix III of the SoW for the specific vessels
 - The External Corrosion Protection shall meet all the requirements of the project specific corrosion protection specification (CPS) as detailed in Appendix V in the SoW, as well as 240-106365693 Standard for the External Corrosion Protection of Plant, Equipment and Associated Piping with Coatings. The approximated external surface areas for each vessel are provided in Appendix II of the SoW

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- CPS03 Non-Aggressive External Environment (< 80°C)
 - CPS04 Internal or External Environment (81°C to 200°C), Un-Lagged
 - CPS05 Internal or External Environment (201°C to 540°C), Un-Lagged
 - CPS06 Internal or External Environment (< 150°C), Lagged
- Conduct Internal Corrosion Protection with Coatings or Rubber Lining on an “As Needed” Basis determined by Eskom Engineering and the In-Service AIA
 - Internal Corrosion Protection and Rubber Lining shall meet all the requirements of the project specific corrosion protection specification (CPS) as provided in Appendix IV of the SoW, as well as the requirements of 240-101712128 Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with Linings
 - GAM/MAT/22/234 Matla Power Station Statutory Pressure Vessels Corrosion Protection Rubber
 - GAM/MAT/22/235 Matla Power Station Statutory Pressure Vessels Organic Lining Specification
 - Appendix I (Design Information), Appendix II (Surface Areas and Volumes) and Appendix III (Colour Identification & Corrosion Protection Specifications) in the SoW are provided as an overview and in addition to the Standard because of the number of vessels and different operating environments. It should be read together with the Standard 240-101712128
 - Conduct Hydrostatic Pressure Testing on an “As Needed” Basis determined by Eskom Engineering and the In-Service AIA in accordance to the requirements detailed in the SoW
 - Conduct Safety Valve Calibration / Trevi-Testing of Pressure Vessel Safety Valves on an “As Needed” Basis as determined by Eskom Engineering and the In-Service AIA in accordance with the requirements as detailed in the SoW and 240-69258336 Pressure Relieving Safety Devices Standard
 - Refurbish and/or Replace Safety Valves on an “As Needed” Basis determined by Eskom Engineering and the In-Service AIA in accordance to the requirements of the SoW, 240-154283718 Pressure Equipment Regulations Compliance Manual, 240-84513751 Material Specification and Certification Guideline for Power Generation Plant, 240-69258336 Pressure Relieving Safety Devices Standard, and Department of Labour Guidance Notes to the Pressure Equipment Regulations July 2009, Occupational Health, and Safety Act, 1993 Revision 2
 - Manufacture, Supply and Install Replacement Pressure Vessel Name Plates on an “As Needed” basis as determined by Eskom Engineering and the In-Service AIA
 - All manufactured nameplates shall contain the minimum information as stated in the Pressure Equipment Regulations, Regulation 9

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- Name of manufacturer,
 - Country of origin,
 - Year of manufacture,
 - Manufacturer's serial number,
 - Reference number, date and edition of the health and safety standard,
 - Design pressure in units of Pascal,
 - Design temperature for both minimum and maximum in degrees Celsius,
 - Capacity in cubic metres,
 - Unique mark of an approved inspection authority as applicable, and
 - The hazard category in accordance with the requirements of SANS 347
- Additional requirements as set out in the SoW and 240-71432150 Plant Labelling Standard

This document sets out the evaluation criteria to be followed to evaluate potential tenderers to provide the above-mentioned services as detailed in the scope of work

2. SUPPORTING CLAUSES

2.1 SCOPE

The evaluation strategy defines the TET members, their responsibilities, and the criteria to be used to evaluate the Matla Power Station Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services Works

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This strategy document applies to the appointed TET members and to the Auxiliary, Design & Specification and Turbine Engineering departments, since the Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services are needed to ensure pressure equipment is maintained within its design parameters and in accordance to the PER Regulations at Matla Power Station.

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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This document is controlled by the TET members. It is not to be disclosed to anyone other than the TET members without the approval of the TET members.

2.2.1 Normative

- [1] 240-48929482 Tender Technical Evaluation Procedure
- [2] 32-1034 Eskom Procurement Policy
- [3] MEA-06681-1 Scope of Work Document
- [4] GAM MAT 22 234 Matla Rubber Lining Specification
- [5] GAM MAT 22 235 Matla Internal Coating Specification
- [6] External Corrosion Protection Specification CPS03 Non-Aggressive External Environment (< 80°C)
- [7] External Corrosion Protection Specification CPS04 Internal or External Environment (81°C to 200°C), Un-Lagged
- [8] External Corrosion Protection Specification CPS05 Internal or External Environment (201°C to 540°C), Un-Lagged
- [9] External Corrosion Protection Specification CPS06 Internal or External Environment (< 150°C), Lagged
- [10] ISO 9001 Quality Management Systems
- [11] 240-101712128 Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with Linings
- [12] 240-106365693 Standard for the External Corrosion Protection of Plant, Equipment and Associated Piping with Coatings
- [13] 240-145581571 Standard for the Identification of the Contents of Pipelines and Vessels
- [14] 240-69258336 Pressure Relieving Safety Devices Standard
- [15] 240-71432150 Plant Labelling Standard

2.2.2 Informative

- [16] 240-154283718 Pressure Equipment Regulations Compliance Manual
- [17] 240-84513751 Material Specification and Certification Guideline for Power Generation Plant
- [18] Department of Labour Guidance Notes to the Pressure Equipment Regulations July 2009, Occupational Health, and Safety Act, 1993 Revision 2

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Explanation
AIA	Approved Inspection Authority
COC	Certificate of Compliance
DOL	Department of Labour

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Abbreviation	Explanation
GMR	General Machinery Regulations
GMR 2 1	Appointed Person in terms of the OHS Act general machinery regulation to ensure the provisions in terms of OHS Act with respect to machinery is complied with
Gx	Eskom Generation Division
ITP	Inspection and Test Plan
N/A	Not Applicable
NCR	Non-Conformity Report
NDE	Non-Destructive Examination
NDT	Non-Destructive Testing
OHS Act	Occupational Health and Safety (South African Occupational Health and Safety Act 85 of 1993)
PED	European Pressure Equipment Directive
PER	Pressure Equipment Regulations
PRV	Pressure Relief Valve
PS	Power Station
QA	Quality Assurance
QC	Quality Control
QCP	Quality Control Plan
QMS	Quality Management System
RBI	Risk-Based Inspection
Rev	Revision
SANAS	South African National Accreditation System
SANS	South African National Standard
SOW	Scope of Work

2.5 DEFINITIONS

No.	Definitions:	Description:
2.1	Calibration of Safety Valves	Process followed to adjust a safety relief valve, for it to lift at a given set pressure. This set pressure (lifting pressure) may never exceed the design pressure of the pressure equipment it protects. This action can be performed with the valve on a test bench (for valves removed from the line / vessel). Butt-welded valves are normally set in situ by means of a Trevi-test. Refer to procedure 240-63160711 "Boiler Safety Valves Functional Test Procedure Work Instruction".
2.2	Certificate of Manufacture	A written declaration of conformance by the Manufacturer of conformance to the Relevant Health and Safety Standard (as listed in OHS Act) and Pressure Equipment Regulations as defined in OHS Act for pressure equipment manufactured.
2.7	Health and Safety Standard (Code of Construction)	Standard that is approved in terms of Occupational Health and Safety Act by the Department of Employment and Labour, which contains requirements for the design, manufacture, repairs, modification, inspection, testing and certification of pressure equipment.

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No.	Definitions:	Description:
2.9	Manufacturer	Any person who has overall control and is responsible for the construction, (also see repairer / modifier definition), of the pressure equipment in the Republic of South Africa
2.10	Manufacturer's Data Book	An organised collection of Manufacturer's design, AIA(m) verification report (where applicable), declaration of conformity and inspection / test records for the new equipment components and / or sub-assemblies

2.6 ROLES AND RESPONSIBILITIES

As per 240-48929482 Tender Technical Evaluation Procedure

2.7 PROCESS FOR MONITORING

N/A

2.8 RELATED/SUPPORTING DOCUMENTS

The following documents and forms are related to this Tender Technical Evaluation Strategy and shall be maintained accordingly

- [1] Procurement Strategy for the Provision of Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services at Matla Power Station
- [2] NEC3 Term Service Contract (TSC3) for the Provision of Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services at Matla Power Station
- [3] Tender Technical Evaluation Scoring Form for Provision of Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services at Matla Power Station (Manual Form)
- [4] Technical Evaluation Criteria for Provision of Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services at Matla Power Station (Excel Evaluation Workbook)
- [5] Tender Technical Evaluation Report for Provision of Common Plant Vessels Surface Preparation, Internal & External Corrosion Protection, Pressure Testing, Name Plate Manufacturing and Safety Valve Calibration and Refurbishment Services at Matla Power Station

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

To qualify for evaluation, the tenderer shall meet all the mandatory requirements as provided in Table 2 Qualitative evaluation of tenderers will be based on the criteria as detailed in Table 3 to determine the ability of the service provider to meet the requirements as specified in the latest revision of MEA-06681-1

Scope of Work, NEC3 Term Service Contract and the referenced Eskom Specifications, Standards, Procedures, Work Instructions and Guidelines

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The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%

Evaluation of the mandatory criteria and scoring of the qualitative criteria shall be conducted in line with the latest revision of 240-48929482 Tender Technical Evaluation Procedure

3.2 TET MEMBERS

The Technical Evaluation Team (TET) members will be appointed by the authorised Committee

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Wiets Roos	Senior Advisor Engineering
TET 2	Thabiso Khumalo	Senior Engineer
TET 3	Noko Pheta	Senior Advisor Eskom Generation
TET 4	Keith Northcott	Consultant Eskom Generation

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Quality Management System SANS 9001 2015 Ed 5 (ISO 9001 2015 Ed 5) Quality Management System in place and verified	Valid SANS 9001 2015 Ed 5 (ISO 9001 2015 Ed 5) Quality Management Certificate	The Contractor shall have a Quality Management System that meets or exceeds the requirements of ISO 9001
2.	Internal Corrosion Protection – Rubber Lining and Organic Linings Submitted proven experience that the Contractor has experience in the internal application of rubber lining and organic linings systems in comparable environments i.e., tanks / confined spaces Records of completed successful contracts and list of major clients to be submitted Verifiable evidence must be for projects where vessels have been successfully rubber lined and coated internally by the Contractor, within the last 5 years or more The verifiable evidence shall include - Formal signed-off QCP's, including the Client's representative's signature, name and contact details - An official letterhead with the contact details of formal references, signed by the client's contract manager(s)	Proof of Organic and Rubber Lining experience equal to a minimum inner surface area (100m ²) or 25% of the organic or rubber lined vessels as defined in the Scope of Work MEA-06681-1, over a period of 2- 5 years or above Submitted evidence to include formal signed-off QCP's, including the Client's representative's signature, name and contact details, and formal letters with the contact details of references, signed by the client's contract manager(s) for rubber lining and organic coating projects completed within the last 2 - 5 years or more	GAM/MAT/22/234 Matla Power Station Statutory Pressure Vessels Corrosion Protection Rubber Lining Specification and GAM/MAT/22/235 Matla Power Station Statutory Pressure Vessels Corrosion Protection Organic Lining Specification

3.	Safety Valve Calibration and Trevi-Testing Submitted proof of experience and accreditation / details of the facility and equipment to be used for Safety Valve Calibration - Name of Company, facility, web-address, email address, contact telephone number and physical address - Evidence of prior experience of servicing and calibration of Safety Valves for the last 5 Years - Equipment Register and Calibration Certificates as accredited by a SANAS Laboratory, including but not limited to Pressure Sources, Test Pressure Gauges, Test Rigs, etc In the event that there is a subcontractor, a formal agreement must be in place by the two parties covering the Eskom contract duration (5 years) Workshop inspection to be conducted on all listed equipment This inspection to be conducted by TET to confirm workshop facility compliance with requirements	Submitted detail of the facility shall include the name of the Company, facility, web-address, email address, contact telephone number and physical address Experience shall be equal to five (5) or more previous Contracts or Purchase Orders (POs) for the servicing and calibration of Safety Valves The submitted equipment list / register, shall include a details and descriptions of the equipment and quantity - Pressure Sources - Test Pressure Gauges, - Test Rigs, Load Cells, Online Testing Equipment, and the associated calibration certificates accredited by a SANAS Laboratory to be used for Safety Valve Calibration	240-69258336 Pressure Relieving Safety Device Standard

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Internal Corrosion Protection – Rubber Lining (GAM/MAT/22/234)			20%	N/A
	1 1	The Supplier, Rubber Liner, Applicator or Contractor shall supply individual product datasheets and material safety datasheets (MSDS) for all products comprising the corrosion protection system proposed for Hot Water Tank No 1, i.e. Rubber Lining, adhesives, tack coats and solvents NOTE Specifications, Product data sheets, MSDS and proposed corrosion protections systems submitted for technical evaluations will be enforced during contract award and no deviations will be accepted	Source: Detailed Product Data Sheets and Material Safety Data Sheets (MSDS) for all products comprising the rubber lining corrosion protection system Scoring Criteria: Methodologies are scored as per Appendix A1 5 Datasheets cover 83% to 100% of the minimum requirements (Score > 5/6) 4 Data sheets cover 67% to 83% of the minimum requirements (5/6 ≤ Score > 4/6) 2 Data sheets cover 50% to 67% of the minimum requirements (4/6 ≤ Score > 3/6)		15%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
			0 Data sheets cover 0% to 50% of the minimum requirements (Score $\leq 3/6$) / non-Responsive		
	1 2	Detailed procedures/method statements shall be submitted to Eskom at the time of tender detailing all steps, procedures, and activities of the GAM/MAT/22/234 specification coating application process to conduct lining on Hot water Tank No 1	Source: Detailed Procedures/Method Statements for the Rubber lining process Scoring Criteria: Methodologies are scored as per Appendix A2. 5 Methodologies cover 78% to 100% of the requirements (Score $> 7/9$) 4 Methodologies cover 56% to 78% of the requirements ($7/9 \leq$ Score $> 5/9$) 2 Methodologies cover 33% to 56% of the requirements ($5/9 \leq$ Score $> 3/9$) 0 Methodologies cover 0% to 33% of the Requirements (Score $\leq 3/9$) / non-Responsive		35%
	1 3	A detailed Quality Control Plan (QCP) shall be submitted at the tender stage for the lining of Hot water Tank No 1 and shall detail all inspections and tests with acceptance criteria during lining application	Source: Detailed QCP including inspections and tests for the lining process Scoring Criteria:		35%

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	Inspections during coating and lining application shall at least cover - Compressed Air Blotter Test for blasting - Surface Preparation - Environmental Parameters - Rubber thickness - Hardness - Adhesion - Continuity Tests for continuity shall be carried out using the high frequency spark method - Visual tests	5 QCP cover 75% to 100% of the test requirements (Score > 6/8) 4 QCP cover 63% to 75% of the test requirements (6/8 ≤ Score < 5/8) 2 QCP cover 38% to 63% of the test requirements (5/8 ≤ Score < 3/8) 0 QCP cover 0% to 38% of the test requirements (Score ≤ 3/8) / non-Responsive		
1 4	A list of deviations or exclusions from specification GAM/MAT/22/234 If there are none then the statement needs to reflect this If no exclusions or qualifications are submitted at the time of tender, the requirements as prescribed in this specification and all other referenced standards shall apply No further exclusions, deviations or qualifications shall be permitted and will not receive any consideration by Eskom after contract award In addition to this statement, the Contractor, Rubber Liner or Manufacturer shall also provide a definitive statement of the submission of samples as prescribed above	Source: List of Deviations or written statement that there are no deviations Scoring Criteria: 5 Written Statement that there are no deviations from the Specification 4 Score Not Used 2 List of Deviations from specification GAM/MAT/22/234 provided and deviations are acceptable		15%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
			0 List of Deviations from the Specification provided, but are detrimental to the reliability of the corrosion protection system / non-Responsive		
2.	Corrosion Protection – Organic Coatings (GAM/MAT/22/235)			35%	N/A
	2 1	The coating Manufacturer/Contractor shall supply individual product data sheets and material safety datasheets (MSDS) for all products comprising the system proposed for Hydrogen Storage Tank No 1 The Product Data Sheet/s shall be signed by the Manufacturer and Contractor This is to ensure that the Manufacturer is aware of this specification, the conditions under which it will be applied and to allow for technical back-up where required The signed Product Data Sheet/s shall be deemed to be a binding reference document (as part of the QCP) It shall be specific to this project any further/other subsequent revisions of the Product Data Sheet/s shall be submitted to Eskom for reacceptance clearly stating the variations/deviations No further use/application of the related product, for this project, is permitted until acceptance is granted by Eskom	Source: Detailed Product Data Sheets and Material Safety Data Sheets (MSDS) for all products comprising the organic coating corrosion protection system Scoring Criteria: Methodologies are scored as per Appendix A3. 5 Datasheets cover 83% to 100% of the minimum requirements (Score > 5/6) 4 Data sheets cover 67% to 83% of the minimum requirements (5/6 ≤ Score > 4/6) 2 Data sheets cover 50% to 67% of the minimum requirements (4/6 ≤ Score > 3/6) 0 Data sheets cover 0% to 50% of the minimum requirements (Score ≤ 3/6) / non-Responsive		15%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	2 2	A detailed Method Statement explaining all required steps as specified in specification GAM/MAT/22/235 shall be provided at the time of tender proposed for Hydrogen Storage Tank No 1	Source: Detailed Procedures/Method Statements for the Organic Coating lining process Scoring Criteria: Methodologies are scored as per Appendix A4. 5 Methodologies cover 78% to 100% of the requirements (Score > 7/9) 4 Methodologies cover 56% to 78% of the requirements (7/9 ≤ Score < 5/9) 2 Methodologies cover 33% to 56% of the requirements (5/9 ≤ Score < 3/9) 0 Methodologies cover 0% to 33% of the Requirements (Score ≤ 3/9) / non-Responsive		35%
	2 3	The project specific QCP shall be submitted The QCP shall be based on the detailed Method Statement proposed for Hydrogen Storage Tank No 1 and shall contain all intervention points and relevant criteria as per the information as described in the Product Data Sheet/s, Covering	Source: Detailed QCP including inspections and tests for the Coating process Scoring Criteria:		35%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
		• Surface Preparation • Application • Film Thickness Testing • Environmental Variables • Visual Inspections Eskom reserves the right to request further revision, clarification, or additions in accordance with or as required by the specification sheet	5 QCP cover 80% to 100% of the test requirements (Score > 4/5) 4 QCP cover 60% to 80% of the test requirements (4/5 ≤ Score > 3/5) 2 QCP cover 40% to 60% of the test requirements (3/5 ≤ Score > 2/5) 0 QCP cover 0% to 40% of the test requirements (Score ≤ 2/5) / non-Responsive		
	2 4	At the time of tender the Contractor/coating Manufacturer shall provide a definitive statement with respect to exclusions or deviations from the specification GAM/MAT/22/235 If there are none then the statement needs to reflect this If no exclusions or qualifications are submitted at the time of tender, the requirements as prescribed in this specification and all other referenced standards shall apply No further exclusions, deviations or qualifications shall be permitted and will not receive any consideration by Eskom after contract award	Source: List of Deviations or written statement that there are no deviations Scoring Criteria: 5 Written Statement that there are no deviations from the Specification 4 Score Not Used 2 List of Deviations from specification GAM/MAT/22/235 provided and deviations are acceptable		15%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
			0 List of Deviations from the Specification provided, but are detrimental to the reliability of the corrosion protection system / non-Responsive		
3.	Safety Valve Calibration and Refurbishment			35%	N/A
	3 1	A detailed Method Statement explaining all required steps to conduct refurbishment and calibration of the Safety Valves located on the Control Air Receivers & Service Air Receiver at Matla Power Station (Valve details provided in Scope of Work Appendix VI)	Source: Detailed Procedures/Method Statements for safety valve overhaul and calibration process Scoring Criteria: Methodologies are scored as per Appendix A5. 5 Methodologies cover 86% to 100% of the requirements (Score > 6/7) 4 Methodologies cover 71% to 86% of the requirements (6/7 ≤ Score < 4/7) 2 Methodologies cover 43% to 71% of the requirements (4/7 ≤ Score < 3/7) 0 Methodologies cover 0% to 43% of the Requirements (Score ≤ 3/7) / non-Responsive		50%
	3 2	The QCP shall be based on the detailed Method Statement proposed to overhaul and calibrate the	Source:		50%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
		Control and Service Air Receiver Safety Valves and shall contain all intervention points and relevant criteria in accordance with the relevant Health and Safety Standard incorporated in the OHSA Pressure Equipment Regulations • Witness Points for competent person • Set Pressure Measurement • Valve Spindle Lift / Travel • Qualitative Valve Condition • Inspection of Pressure Containing Components • Non-Destructive and Leak Testing • Final Set Pressure Adjustment and Sealing • Issue of Calibration Certificate Eskom reserves the right to request further revision, clarification, or additions in accordance with or as required	Detailed QCP including inspections and tests for Safety Valve Overhaul and Calibration Scoring Criteria: 5 QCP cover 75% to 100% of the test requirements (Score > 6/8) 4 QCP cover 63% to 75% of the test requirements (6/8 ≤ Score > 5/8) 2 QCP cover 38% to 63% of the test requirements (5/8 ≤ Score > 3/8) 0 QCP cover 0% to 38% of the test requirements (Score ≤ 3/8) / non-Responsive		
4.	Personnel and Skills			10%	N/A
	4 1	Site Manager / Supervisor (x1): Site manager with minimum of 3 years' experience, handling resources undertaking maintenance of pressure vessels, safety valves and associated plant equipment	Source: Organogram detailing key personnel, names, positions, responsibilities, qualifications, and experience Personnel CVs and Qualifications Scoring Criteria: Both CV and NQF6 Diploma provided with trade test certificate indicating 3 or more years' experience as a Maintenance Site		20%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
			Manager or Supervisor Qualifications and ID copies to be certified within 3 months of close of Tender		
	4 2	Artisan Fitters (x2) N4 Diploma with Trade test certificate and minimum of 2 years' experience	Scoring Criteria: CV and Qualifications and ID copies to be certified within 3 months of close of Tender		15%
	4 3	Safety Officer(x1) NQF6 Diploma or higher with a minimum of 2 years' experience	Scoring Criteria: Qualifications and ID copies to be certified within 3 months of close of Tender		20%
	4 4	Painting/ Sandblasting/ Coating Inspector (x1): Grade 12 and Qualified to SAQCC Level 1 or 2	Scoring Criteria: CV and Qualifications and ID copies to be certified within 3 months of close of Tender, with SAQCC Level 1 or Level 2 or NACE CIP		15%
	4 5	Painter/Sandblaster(x1) Grade 12, Painting and Sandblasting certificates with a minimum of 2 years' experience	Scoring Criteria: CV and Qualifications and ID copies to be certified within 3 months of close of Tender		15%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	4 6	Assistants (x2) Grade 10 or Higher	Scoring Criteria: CV and Qualifications and ID copies to be certified within 3 months of close of Tender		15%

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1	X	X	N/A	N/A	N/A	N/A
2	X	X	X	X	N/A	N/A
3	X	X	N/A	N/A	N/A	N/A

Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1 1	X	X	X	X	N/A	N/A
1 2	X	X	X	X	N/A	N/A
1 3	X	X	X	X	N/A	N/A
1 4	X	X	X	X	N/A	N/A
2 1	X	X	X	X	N/A	N/A
2 2	X	X	X	X	N/A	N/A
2 3	X	X	X	X	N/A	N/A
2 4	X	X	X	X	N/A	N/A
3 1	X	X	X	X	N/A	N/A
3 2	X	X	X	X	N/A	N/A
4 1	X	X	X	X	N/A	N/A
4 2	X	X	X	X	N/A	N/A
4 3	X	X	X	X	N/A	N/A
4 4	X	X	X	X	N/A	N/A
4 5	X	X	X	X	N/A	N/A
4 6	X	X	X	X	N/A	N/A

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	No Alternative Tender will be accepted if the Mandatory Criteria are not met.
2	
3	
4	

Table 6: Unacceptable Technical Risks

Risk	Description
1	Company not certified and does not have a SANS 9001:2015 Ed.5 / ISO 9001:2015 Ed.5 Quality Management System in place
2	Service provider is not familiar with GAM/MAT/22/234 Matla Power Station Statutory Pressure Vessels Corrosion Protection Rubber Lining Specification requirements and GAM/MAT/22/235 Matla Power Station Statutory Pressure Vessels Corrosion Protection Organic Lining Specification requirements. Not experienced with Rubber Lining and Organic Coating. Deviation from the specification requirements may result in premature Rubber Lining and Coating Failure, accelerated equipment corrosion rates, premature equipment failure and wasteful expenditure.
3	Service provider is not familiar with or does not have the capability to overhaul and calibrate Pressure Relieving Safety Devices to the Eskom Standard 240-69258336 Pressure Relieving Safety Devices Standard and in compliance to the Occupational Health and Safety Act Pressure Equipment Regulations requirements. Deviation from the specification and regulatory requirements may result in non-compliance, incorrect setting of safety devices and over-pressure incidents on statutory equipment involving injuries and/or fatalities.

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1 1	Detailed Product Data Sheets and MSDS for all products comprising the rubber lining corrosion protection system cover 67% to 83% of the minimum requirements as detailed in Appendix A1 instead of 83% - 100% of the requirements
1 2	Detailed Procedures / Method Statements for the rubber lining process cover 56% to 78% of the requirements as detailed in Appendix A2 instead of 78% - 100% of the requirements
1 3	Detailed QCP including inspections and tests for the Rubber lining process cover 63% to 75% of the test requirements instead of 75% - 100% of the requirements
1 4	A list of deviations or exclusions from specification GAM/MAT/22/234 shall be submitted by the Contractor No Technical Exceptions / Conditions allowed
2 1	Detailed Product Data Sheets and MSDS for all products comprising the organic coating corrosion protection system cover 67% to 83% of the requirements as listed in Appendix A3, instead of 83% - 100% of the requirements
2 2	Detailed Procedures/Method Statements for the Organic Coating lining process meet 56% - 78% of the minimum requirements as detailed in Appendix A4, instead of 78% - 100% of the requirements
2 3	Detailed QCP including inspections and tests for the Organic Coating process cover 60% to 80% of the test requirements instead of 80% - 100% of the requirements
2 4	A list of deviations or exclusions from specification GAM/MAT/22/235 shall be submitted by the Contractor No Technical Exceptions / Conditions allowed
3 1	Detailed Procedures/Method Statements for safety valve overhaul and calibration process cover 71% - 86% of the requirements as detailed in Appendix A5, instead of 86% - 100% of the requirements
3 2	Detailed QCP including inspections and tests for Safety Valve Overhaul and Calibration cover 63% - 75% of the Eskom and all the regulatory requirements
4 1	One (1) Coating Inspector with SAQCC Level 1 or Level 2 or NACE CIP is acceptable

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1 1	Detailed Product Data Sheets and MSDS for all products comprising the rubber lining corrosion protection system cover less than 67% of the minimum requirements as detailed in Appendix A1 / Non-Responsive
1 2	Detailed Procedures / Method Statements for the rubber lining process cover less than 56% the requirements as detailed in Appendix A2 / Non-Responsive
1 3	Detailed QCP including inspections and tests for the Rubber lining process cover less than 63% of the test requirements / Non-Responsive
1 4	A list of unacceptable deviations or exclusions from specification GAM/MAT/22/234 is be submitted by the Contractor / Non-Responsive
2 1	Detailed Product Data Sheets and MSDS for all products comprising the organic coating corrosion protection system cover less than 60% of the requirements as listed in Appendix A3 / Non-Responsive
2 2	Detailed Procedures/Method Statements for the Organic Coating lining process meet less than 67% of the minimum requirements as detailed in Appendix A / Non-Responsive
2 3	Detailed QCP including inspections and tests for the Organic Coating process cover less than 56% of the test requirements / Non-Responsive
2 4	A list of unacceptable or exclusions from specification GAM/MAT/22/235 is be submitted by the Contractor / Non-Responsive
3 1	Detailed Procedures/Method Statements for safety valve overhaul and calibration process cover less than 71% of the requirements as detailed in Appendix A5 All the regulatory requirements must be covered / Non-Responsive
3 2	Detailed QCP including inspections and tests for Safety Valve Overhaul and Calibration cover less than 63% of the Eskom requirements All the regulatory requirements must be covered / Non-Responsive
4 1	Coating Inspectors without SAQCC Level 1 or Level 2 or NACE CIP / Non-Responsive

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Lindokuhle Ngobese	Engineering Manager	
Ettienne van Zyl	Design & Specification Line Manager	
Zain Karodia	Line Manager Turbine Engineering	
Keith Northcott	Generation Engineering Consultant	
Noko Pheta	Generation Engineering Senior Advisor	
Isaack Maredi	System Engineer (Auxiliary Engineering)	
Gavin Phelelo	Line Manager Auxiliary Engineering	

5. REVISIONS

Date	Rev.	Compiler	Remarks
August 2025	4	I Maredi	Changes made to Mandatory requirements
November 2024	3	Z Karodia	Formatted Safety Valve Calibration requirements to bullet form
October 2024	2	WD Roos	Changes Made to Evaluation Criteria and Scoring Percentages as Discussed with RT&D
September 2024	1	WD Roos	Changes made to Evaluation Criteria and Scoring Percentages as discussed and agreed upon with the Technical Evaluation Team Members
August 2024	0	WD Roos	Initial development of the Technical Evaluation Strategy for the Provision of Configuration Management Service and Plant Labelling Service at Matla Power Station for a period of 5 years

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

- W Roos
- Z Karodia

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- L Ngobese
- K Northcott
- N Pheta

7. ACKNOWLEDGEMENTS

None

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Appendix A: Data Sheets and Methodology Scoring Sheets

1. Rubber Lining Product Data Sheets & MSDS			
No.	Individual product datasheets and material safety datasheets (MSDS) for all products comprising the rubber lining corrosion protection system	Product Data Sheets Meets Requirement	
		Yes (= 1)	No (= 0)
1 1	A Description of the generic type of rubber lining		
1 2	Physical and chemical properties as per Table 4 of SANS 1198		
1 3	Recommended and non-recommended uses		
1 4	Surface preparation requirements		
1 5	Maximum recommended service temperatures which shall be a minimum of 30% greater than the maximum temperatures as indicated on the rubber-lined vessels in Appendix I of the Scope of Work Document (120°C)		
1 6	Service Temperatures and chemical resistance limits For the Chemical resistance, special property (I), (III), (V) and (VI) as per SANS 1198 Clauses 4 2 2(d), 4 2 3 (b) in conjunction with the environment and operating conditions in the table provided in the Specification GAM/MAT/22/234 shall apply Confirmation that the lining shall not contaminate the system/process fluid to be handled Special property (V & VI) as per 240-101712128 and SANS 1198 The approved test results or certificates from the independent laboratory shall be written in English		
Rubber Lining Product Data Sheets & MSDS Score:		/6	

2. Rubber Lining Method Statement & Procedures			
No.	Detailed Procedures/Method Statements for the Rubber lining process.	Methodology Meets Requirement	
		Yes (= 1)	No (= 0)
2 1	The methods, steps, sequence, and equipment required for ventilation and dust mitigation		
2 2	Grease decontamination and washing		
2 3	Soluble salt decontamination		
2 4	Methods for dust and debris removal, maintaining and ensuring cleanliness between adhesives and lining shall be described		
2 5	The Method Statement shall detail the precise sequence and breakdown of work areas/activities in order to apply the system with due consideration of dust contamination		
2 6	The method statement shall also consider the most efficient methods and sequencing to avoid unnecessary delays that may have an impact i.e time required for removal of spent abrasive grit and dust/debris		
2 7	All inspection interventions during and after completion of rubber lining installation shall be considered and included		
The Method Statement shall describe all measures and details for establishing		N/A	N/A
2 8	The environmental conditions as required by specification GAM/MAT/22/234		

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2. Rubber Lining Method Statement & Procedures			
No.	Detailed Procedures/Method Statements for the Rubber lining process.	Methodology Meets Requirement	
		Yes (= 1)	No (= 0)
2 9	The required ventilation for the prevention and/or management of fumes and dust build-up. The number of extraction fans, mounting diameters, sizes and mounting methods of fans to manholes, power rating of fans, positioning of fans and direction of intended air flow shall be described and detailed		
Rubber Lining Method Statement & Procedures Score:		/9	

3. Organic Coatings Product Data Sheets & MSDS			
No.	Individual product datasheets and material safety datasheets (MSDS) for all products comprising the organic coating corrosion protection system	Product Data Sheets Meets Requirement	
		Yes (= 1)	No (= 0)
3 1	A description of the generic type of product		
3 2	Confirmation that the corrosion protection system is suitable for the intended method of application		
3 3	Recommended and non-recommended uses		
3 4	Maximum recommended service temperature which shall be a minimum of 30% greater than the maximum temperatures as is indicated in the table at the top of this specification. The particular system rating shall consider the above temperatures as continuous service i.e. not intermittently		
3 5	Chemical resistance limits		
3 6	Surface preparation		
3 7	Application conditions and details including but not limited to application temperatures, dilutions, pot-life, application techniques and DFT for the particular application method, over-coating intervals, and curing times required before immersion		
Organic Coatings Product Data Sheets & MSDS Score:		/7	

4. Organic Coating Method Statement & Procedures			
No.	Detailed Procedures/Method Statements for the Organic Coating process.	Methodology Meets Requirement	
		Yes (= 1)	No (= 0)
4 1	The methods, steps, sequence, and equipment required for ventilation and dust mitigation		
4 2	Grease decontamination and washing		
4 3	Soluble salt decontamination		
4 4	Methods for dust and debris removal, maintaining and ensuring cleanliness between coats shall be described		
4 5	The Method Statement shall detail the precise sequence and breakdown of work areas/activities in order to apply the system with due consideration of dust contamination, and possible overspray onto adjacent surfaces still requiring additional coats		

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4. Organic Coating Method Statement & Procedures			
No.	Detailed Procedures/Method Statements for the Organic Coating process.	Methodology Meets Requirement	
		Yes (= 1)	No (= 0)
4 6	The Method Statement shall also consider the most efficient methods and sequencing to avoid unnecessary delays between coats that may have an impact i e , time required for removal of spent abrasive grit and dust/debris, delay due to material handling, time required to handle, rig and move the component etc		
4 7	All inspection interventions during and after completion of final coats shall be considered and included		
Organic Coating Method Statement & Procedures Score:		/7	

5. Safety Valve Refurbishment and Calibration Method Statement and Procedures			
No.	Detailed Procedures/Method Statements for Safety Valve Refurbishment and Calibration.	Methodology Meets Requirement	
		Yes (= 1)	No (= 0)
5 1	Description of the methods, steps, sequence, and equipment required to overhaul and set the safety valve, including witnessing points for independent inspectors, competent persons, etc		
5 2	Details of information required for decision making e g seat dimensions, pre-overhaul set pressures, valve condition, parts requiring replacement, repairs, etc		
5 3	Method describing Set Pressure Measurement prior to dismantling the valve for overhaul, including medium and method used for testing (Water, Nitrogen, Air, etc) as well as temperature considerations		
5 4	Adequate quality control applied during overhaul to ensure valve spindle lift/travel prior to installation in the plant Recording of the actual restricted lift value set		
5 5	Qualitative Valve condition prior to overhaul e g level of dust build-up, deposits, corrosion, vibration damage, etc present		
5 6	Details of inspection of pressure retaining components during overhaul such as seats, disc, body, stem, and other components such as springs, bolting, joints, drains and where relevant actuators and control equipment Details of any NDT and leak tests during inspection		
5 7	Method of final adjustment of set pressure (in-situ, in-shop, - works) and handling precautions to prevent subsequent handling damage or unintentional modification of settings		
Safety Valve Refurbishment and Calibration Method Statement and Procedures Score:		/7	

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