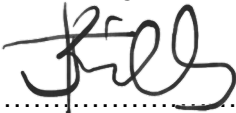
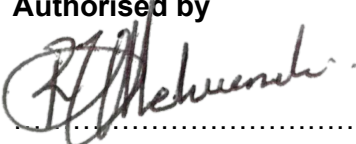


	Strategy	Engineering
---	-----------------	--------------------

Title: Kriel Power Station Corrosion Protection of Fly Ash Silos and WTP Vessels at Kriel Power Station for a period of three (3) years.	Unique Identifier:	240-161341573
	Alternative Reference Number:	N/A
	Area of Applicability:	Engineering
	Documentation Type:	Strategy
	Revision:	4
	Total Pages:	11
	Next Review Date:	N/A
Disclosure Classification:	CONTROLLED DISCLOSURE	

Compiled by 	Functional Responsibility 	Authorised by 
J Pillay Senior Engineer Kriel Power Station 2024-06-19 Date:	J Pillay Senior Engineer Kriel Power Station 2024-06-19 Date:	R Nelwamondo Engineering Manager Kriel Power Station 2024/06/20 Date:

CONTENTS

	Page
1. INTRODUCTION	3
2. SUPPORTING CLAUSES	3
2.1 SCOPE	3
2.1.1 Purpose	3
2.1.2 Applicability	3
2.2 NORMATIVE/INFORMATIVE REFERENCES	3
2.2.1 Normative	3
2.2.2 Informative	3
2.3 DEFINITIONS	3
2.3.1 Classification	3
2.4 ABBREVIATIONS	4
2.5 ROLES AND RESPONSIBILITIES	4
2.6 PROCESS FOR MONITORING	4
2.7 RELATED/SUPPORTING DOCUMENTS	4
3. TENDER TECHNICAL EVALUATION STRATEGY	4
3.1 TECHNICAL EVALUATION THRESHOLD	4
3.2 TET MEMBERS	5
3.3 MANADATORY TECHNICAL EVALUATION CRITERIA	6
3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA SCORING MATRIX	6
3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA	7
3.6 TET MEMBER RESPONSIBILITIES	9
3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS	9
3.7.1 Risks	9
3.7.2 Exceptions / Conditions	10
4. AUTHORISATION	11
5. REVISIONS	11
6. DEVELOPMENT TEAM	11
7. ACKNOWLEDGEMENTS	11

TABLES

Table 1: TET Members	5
Table 2: Qualitative Technical Evaluation Criteria Scoring Matrix	6
Table 3: Qualitative Technical Evaluation Criteria	7
Table 4: TET Member Responsibilities for the Qualitative Evaluation Stage	9
Table 5: Acceptable Technical Risks	9
Table 6: Unacceptable Technical Risks	9
Table 7: Acceptable Technical Exceptions / Conditions	10
Table 8: Unacceptable Technical Exceptions / Conditions	10

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

1. INTRODUCTION

The proposed scope of work is for the Corrosion protection of Fly Ash Silos and Water Treatment Plant (WTP) vessels at Kriel Power Station (PS) for a period of three (3) years.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of the document defines the technical criteria that will be used to evaluate tenderers for the Corrosion protection of Fly ash silos and WTP vessels technical evaluation strategy as stipulated in the scope.

2.1.1 Purpose

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

2.1.2 Applicability

This strategy document shall apply to auxiliary maintenance of rubber lined surfaces at Kriel Power Station Eskom Holdings SOC Ltd.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] 240-160548357: Corrosion Protection of WTP vessels and lines and Fly Ash silos at Kriel Power station.
- [3] 32-1034: Eskom Procurement Policy

2.2.2 Informative

N/A

2.3 DEFINITIONS

2.3.1 Classification

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

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.4 ABBREVIATIONS

Abbreviation	Description
NEC	New Engineering Contract
QCP	Quality Control Procedure
ITM	Inspection, Testing and Preventative Maintenance
KPS	Kriel Power station
OHS	Occupational Health and Safety
SANS	South African National Standards
SOW	Scope of work

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

A maintenance program typically consists of four stages:

- Stage 1 – Inspection, testing and preventative maintenance activities. Schedules are used to ensure that key activities are performed at regular intervals. When an activity has been completed, the result is recorded, followed by whether the action resulted in a pass or fail.
- Stage 2 – Record keeping. Records are required to be kept for each functional activity and should include specific results (as appropriate), and the outcome of the activity using 'pass/fail' or 'yes/no' criteria.
- Stage 3 – Reporting and rectification. Where failures have been identified, they should be reported to the relevant Eskom personnel and a defect generated (usually in SAP or FLIP) for the rectification works.
- Stage 4 – Updating of records on SAP PM System only. Following rectification of identified failures, functional testing should be undertaken to confirm that the system is operating as intended.

The Schedules in this standard are used to document Stages 1, 2 and 4.

2.7 RELATED/SUPPORTING DOCUMENTS

Not applicable.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

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

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Jerushan Pillay	Senior Engineer
TET 2	Mapula Sethosa	Senior Advisor Technical Support BOP
TET 3	Thulani Ndlovu	Engineer – Dust Handling Plant

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

There are no mandatory criteria.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA SCORING MATRIX

The qualitative criteria will be scored according to the scoring matrix set out in the Tender Engineering Evaluation Procedure [1].

Table 2 shows the scoring matrix that will be used.

Table 2: Qualitative Technical Evaluation Criteria Scoring Matrix

Score	%	Definition
5	100	COMPLIANT • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	NON-COMPLIANT • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1: The scoring table does not allow for scoring of 1 and 3.		

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Functionality Criteria	Total Weight (100%)	Floor 0 = 0%	Kick in 2 = 40%	Average 4 = 80%	Ceiling 5 = 100%
1.	Experience of Corrosion Protection Contractor: Provide verifiable references and sources of evidence that the product supplier and applicator have successfully applied internal corrosion protection system (specifically rubberlining) to plant with similar application as Eskom at least equal to the quantity of scope as defined in the enquiry and Scope of Work (SOW) documents within the last 5 years. Contractor must provide a list of 4 previous completed similar projects. The list to name and contact details of reference and high-level SOW performed.	30%	Insufficient evidence/No experience provided	2 references provided with name and contact details and high-level SOW	3 references provided with name and contact details and high-level SOW	4 references provided with name and contact details and high-level SOW
2.	Method Statement: Company must provide a detailed methodology covering the following. (a) Grease and/or soluble salts decontamination and washing. (b) Surface preparation by blast cleaning, (c) The parameter setups for blasting techniques i.e., boom/lance. (d) Methods for dust and debris removal, maintaining and ensuring cleanliness between primer, adhesive and rubber sheet shall be described.	30%	Method statement not received/lacking details requested.	Three (3) or more steps missing.	One (1) to two (2) steps missing.	All application steps (a – h) provided.

	(e) Flange arrangement. (f) Curing. (g) All test and inspection interventions. (h) specified/required environmental conditions.					
3.	PRODUCT DATA SHEETS Company must provide datasheets for all products as per the scope, i.e. (1) Blasting grit. (2) Rubber Lining (3) Primer (4) Adhesives (5) Coating material	20%	No data sheets/Insufficient information provided.	Data sheets provided only for (1) Blasting grit (2) Rubberlining	Data sheets provided only for (1) Blasting grit. (2) Rubberlining (3) Primer (4) Adhesives	Data sheets provided only for (1) Blasting grit (2) Rubberlining (3) Primer (4) Adhesives (5) Coating material
4.	QUALITY CONTROL PLAN Contractor details all inspections and test as per method statement(s) with the listing of the relevant, local (SANS) or international standards, as well as the required acceptance criteria. The QCP shall align with all info as required in 1 and 3 above. Inspections during corrosion protection application shall at least cover; (a) surface preparation, (b) environmental parameters, (c) Products (coating and rubber properties/batch certificate i.e., tensile strength, thickness, hardness), (d) adhesion, continuity, and visual tests.	20%	No QCP/Insufficient information provided.	High-level QCP missing three (3) or more: • Steps or tests i.e. (a – d) or • Standards or • Acceptance criteria.	QCP missing: One (1) to two (2) steps including • tests i.e. (a – d) or • Missing standards or • Acceptance criteria.	Detailed QCP indicating all steps, tests, standards, inspections criteria and interventions i.e. (a – d).

3.6 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities for the Qualitative Evaluation Stage

Qualitative Criteria Number	TET 1 JP	TET 2 MS	TET 3 TN
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	None.

Table 6: Unacceptable Technical Risks

Risk	Description
1.	No information on adherence to Standards provided.
2.	Any information provided that may be a detriment to plant performance

3.7.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Methodologies that are not according to the scope of work but complies or SANS standards.
2.	Proposed QCP with the critical activities, without acceptance criteria or minor changes required that can be done after contract award.
3.	A detailed list of material data sheet, handling process and descriptions.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	None.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Jerushan Pillay	Senior Engineer	
Mapula Sethosa	Senior Advisor	
Thulani Ndlovu	Engineer – Dust Handling Plant	

5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2020	1	MM Sethosa	New document.
December 2020	2	MM Sethosa	Updated version.
June 2022	3	SS Sulliman	Updated with RTD specs
June 2024	4	J Pillay	Removed Mandatory Criteria relating to experience, and added it as Qualitative Criteria

6. DEVELOPMENT TEAM

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

- Jerushan Pillay
- Sumayyah Sulliman
- Mapula Sethosa

7. ACKNOWLEDGEMENTS

Not applicable.

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.