

	<b>Strategy</b>	<b>Engineering</b>
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Strategy for Sootblower Service  
Contract**

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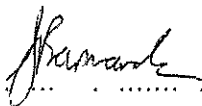
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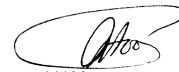
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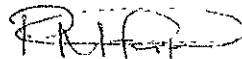
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## CONTENTS

	Page
<b>1. INTRODUCTION .....</b>	<b>3</b>
<b>2. SUPPORTING CLAUSES.....</b>	<b>3</b>
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
<b>3. TENDER TECHNICAL EVALUATION STRATEGY.....</b>	<b>4</b>
3.1 TECHNICAL EVALUATION METHOD ..	4
3.2 TECHNICAL EVALUATION THRESHOLD...	4
3.3 TET MEMBERS.....	5
3.4 MANADATORY TECHNICAL EVALUATION CRITERIA (30%) ..	5
3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA .....	6
TET MEMBER RESPONSIBILITIES.....	9
3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS .....	10
3.6.1 Risks. . .	10
3.6.2 Exceptions / Conditions ..	10
<b>4. AUTHORISATION.....</b>	<b>11</b>
<b>5. REVISIONS .....</b>	<b>11</b>
<b>6. DEVELOPMENT TEAM .....</b>	<b>11</b>
<b>7. ACKNOWLEDGEMENTS .....</b>	<b>11</b>

## **1. INTRODUCTION**

This document provides the technical mandatory and qualitative criteria on which to evaluate potential contractors for the maintenance of the Tutuka Sootblower Plant systems.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document will only cover the technical tender evaluation criteria for the Tutuka Sootblower Plant contract.

#### **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**

The document will apply to the Tutuka Sootblower Plant contract only.

### **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] ISO 9001 Quality Management Systems
- [3] OHSAS 18001 Health & Safety Management Standard.
- [4] ISO 31000 Risk Management Standard.
- [5] Eskom Integrated Risk Management Standard.
- [6] ISO 14001 Environmental Standard
- [7] 240-106628253: Standard for Welding Requirements on Eskom Plant
- [8] QM58 - Eskom Supplier Contract Quality Requirements Specification

#### **2.2.2 Informative**

- [9] N/A

## **2.3 DEFINITIONS**

### **2.3.1 Classification**

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

## 2.4 ABBREVIATIONS

Abbreviation	Description
CoE	Centre of Excellence
BENG	BOILER ENGINEERING
DT	<i>Destructive Testing</i>
EDWL	Engineering Design Work Lead
ISO	International Standards Organisation
NDT	<i>Non Destructive Testing</i>
OHSA	Occupation Health and Safety Act
TET	Technical Evaluation Team
QM	Quality Management
QCP	Quality control program
NCR	Non- conformance report

## 2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482. Tender Technical Evaluation Procedure.

## 2.6 PROCESS FOR MONITORING

Service Provider will be eligible to do maintenance on Sootblower plant at Tutuka if he/she complies, as a minimum, with the standards and criteria specified in this document.

## 2.7 RELATED/SUPPORTING DOCUMENTS

N/A

## 3. TENDER TECHNICAL EVALUATION STRATEGY

### 3.1 TECHNICAL EVALUATION METHOD

The evaluation method will be based on similar projects done by the tenderers in the past. A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. Tenderers need to have a weighted score of 70% overall or more to technically qualify for further evaluation.

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

### 3.2 TECHNICAL EVALUATION THRESHOLD

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

The evaluation scores will be weighted as follows according to disciplines.-

<b>Sootblower repairs</b>		
1	Technical team experience	50 %
2.	Method statement QCP's	50%

### 3.3 TET MEMBERS

**Table 1: TET Members**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1	Shaun Barnard	Boiler System Engineer
TET 2	Phil Hoop	Boiler Engineering Manager
TET 3	Lennox Dukashe	Chief Technologist: Electrical
TET 4	Mikateko Matlole	Inside Plant Boiler Manager
TET 5	Phumza Mfakadolo	Outage Co-ordinator

### 3.4 MANADATORY TECHNICAL EVALUATION CRITERIA (30%)

	<b>Mandatory Technical Criteria Description</b>	<b>Tender Returnable</b>	<b>Motivation for use of Criteria</b>
1	<p>The service provider to provide demonstrable evidence that the company has been in the Sootblower maintenance, repair and refurbishment business for period of not less than 3 years within the last 5years period</p> <p>Reference list of employers in the last 5 years. Scope of work executed to be included</p>	<p>Returnable</p> <p>Submit Copies of the purchase orders and/or Contract numbers</p>	To ensure quality of workmanship and suitable experience

The Service Provider further needs to guarantee their workmanship for a minimum of 52 weeks. The process for monitoring workmanship will be through defects raised during this time.

### 3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 2: Qualitative Technical Evaluation Criteria (70%)**

Qualitative Technical Criteria Description		Tender Returnable	Criteria Weighting (%)	Score	Sub Criteria Weighting (%)
<b>Technical Team, Organogram, Experience and Qualifications</b>			<b>50%</b>	<b>30</b>	
1 1	Organogram indicating each role of the maintenance team related to this contract <ul style="list-style-type: none"> <li>Qualifications and experience must also be indicated with organogram.</li> </ul>	Organogram to be supplied	Organogram supplied	5	10%
			No qualifications or experience shown in organogram	2	
			No organogram supplied	0	
1 2	Curriculum Vitae plus qualifications of personnel who will be used on site.	CVs to be supplied	CV supplied with certified proof of qualifications	5	50%
			CV supplied with non-certified proof of qualification or no proof	0	
	Supervisor: N6 plus Trade Test with 5 years related working experience or Mechanical National Diploma with 5years related power plant experience	Qualifications supplied	National Diploma or N Diploma with Trade Test supplied	5	
			No qualifications supplied	0	

	Artisans - Fitter or Fitter and Turner- with matric or N3 plus Trade test with 3 years related power plant experience	Qualifications supplied	Grade 12 certificate or N3 plus Trade Test supplied	5	
			No qualifications supplied	0	
	Artisans: - Electrician - with matric or N3 plus Trade test with 3 years related power plant experience	Qualifications supplied	Grade 12 certificate or N3 plus Trade Test supplied	5	
			No qualifications supplied	0	
	Safety Officer - must have National Diploma in Safety Management or grade 12 with SAMTRAC Certificate with 2 years' related power plant experience.	Qualifications supplied	National Diploma in Safety Management or Grade 12 with SAMTRAC certificate supplied	5	
			No qualifications supplied	0	
<b>Method Statement and QCP (50%)</b>			50%	15	
2.1	<b>Method statements:</b>  1. Inspection and Repairs of Lance blowers  2. Inspection and Repairs of Gun blowers  3. Inspection and repairs of electrical components		Method statement for lance, gun blowers and electrical components maintenance supplied	5	20%
			Method statement not supplied	0	
2.2	Sootblower Activity Quality control plan <ul style="list-style-type: none"> <li>• Gearbox overhauls QCP</li> <li>• Lanceblower QCP</li> <li>• Gunblower</li> </ul>		Quality control plan supplied for all three items	5	20%
			Quality control plan not supplied	0	

		Sub score:		
		TOTAL:		100%



## TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

<b>Mandatory Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>	<b>TET 4</b>	<b>TET 5</b>
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>	<b>TET 4</b>	<b>TET 5</b>
1.1	X	X	X	X	X
1.2	X	X	X	X	X
2.1	X	X	X	X	X
2.2	X	X	X	X	X
2.3	X	X	X	X	X

### 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.6.1 Risks

**Table 4: Acceptable Technical Risks**

Risk	Description
1.	None

**Table 5: Unacceptable Technical Risks**

Risk	Description
1	No Sootblower maintenance experience
2	No pre work evaluation by Eskom
3	None compliance to QM58

#### 3.6.2 Exceptions / Conditions

**Table 6: Acceptable Technical Exceptions / Conditions**

Risk	Description
1.	None

**Table 7: Unacceptable Technical Exceptions / Conditions**

Risk	Description
1	Material not meeting Eskom standards
2	Unsafe work practices

#### **4. AUTHORISATION**

This document has been seen and accepted by

<b>Name</b>	<b>Designation</b>	<b>Signature</b>
Phil Hoop	Boiler Engineering Manager	
Shaun Barnard	Boiler Engineer	
Lennox Dukashe	Chief Technologist Electrical	
Mikateko Matlole	Mechanical IP Manager	
Phumza Mfakadolo	Outage Coordinator	

#### **5. REVISIONS**

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>

#### **6. DEVELOPMENT TEAM**

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

- S Barnard

#### **7. ACKNOWLEDGEMENTS**

NA