

Title: Tender Technical Evaluation  
Strategy for Medupi Power  
Station Ash Dump Dust  
Suppression

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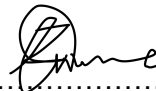


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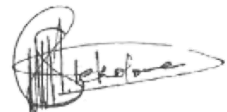


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## **1. INTRODUCTION**

An invite is to be issued calling for interested parties to participate in the tender process for the Sourcing of a contractor who will be Supplying, deliver and apply Calcium Lignosulphonate based Chemical for Ash Dust Suppression in Medupi Power Station. This document sets out the method and criteria that will be used to evaluate the tenders that will result from this pre-qualification invite.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This strategy defines the Technical Evaluation Team (TET), their responsibilities and the criteria to be used to evaluate the Medupi Power Station Tender Technical Evaluation Strategy for the supply and delivery of Calcium Lignosulphonate based Chemical for Ash Dust Suppression in Medupi Power Station

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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#### **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 document applies to the Medupi Power Station Tender Technical Evaluation Strategy for the supply, delivery and application of Calcium Lignosulphonate based Chemical for Ash Dust Suppression in Medupi Power Station Contract in accordance with the authorised procurement strategy.

## **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] 240-168966153: Generation Tender Technical Evaluation Procedure
- [2] ISO 9001 Quality Management Systems

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- [3] 240-48929482: Tender Technical Evaluation Procedure
- [4] 32-1034: Eskom Procurement Policy
- [5] 241-2022423: Scope of work for the supply and delivery of Calcium Lignosulphonate based chemical for Ash Dust Suppression in Medupi Power Station

### **2.2.2 Informative**

- [6] NEC 3 Terms Services Contract
- [7] 241-2022402: Medupi Power Station Scope of work for Ash Dump Management and Operations
- [8] Act 107 of 1998 National Environmental Management Act, 1998
- [9] Act 14 of 2009 The national Environmental Laws Amendment Act, 2009
- [10] Act 73 of 1989 The Environmental Convention Act 1989
- [11] Act No 85 of 1993 Occupational Health and Safety & Regulations
- [12] SANS 10108 The Classification of hazardous Location and the Selection of Apparatus for use in such location
- [13] Act No 36 of 1998 National Water

## **2.3 DEFINITIONS**

### **2.3.1 Classification**

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

## **2.4 ABBREVIATIONS**

<b>Abbreviation</b>	<b>Description</b>
FoS	Factor of Safety
PCD	Pollution Control Dam
FSL	Full Supply Level
NGL	Natural Ground Level
LCS	Leachate Collection System
LDS	Leakage Detection System
HDPE	High Density Polyethylene
SACNASP	South African Council for Natural Scientific Professions
SACPCMP	South African Council for Project and Construction Management Professions
SANS	South African National Standards
SHE	Safety Health and Environmental
SHEQ	Safety Health Environmental and Quality

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## **2.5 ROLES AND RESPONSIBILITIES**

Coal Management:	Responsible for managing the contract and ensuring that the contract carries out the tasks as per the scope of work and the ash dump operations manual.
Commercial division:	Part of the contract placement process and communication with the contractor until contract award.
The Operating Department:	Responsible for the Operation of the Ash Stacker Machines and conveyors
The Maintenance Department:	Responsible for the maintenance of the Ash Dump Conveyors and machines as well as the Dust Suppression and irrigation pump station pumps piping up to the connection tap-off points.
SHE Department	To ensure compliance to the occupational health and safety act and other regulations
The Contractor	Responsible for the executing tasks as per the scope of work and the ash dump operations manual. The contractor will also be responsible for the procurement of required dust suppression spares to ensure that the impact of dust emissions is controlled/minimised on the ash dump facility, transfer house 9 and the ash dump gravel roads.
Environmental Department	Monitor compliance to the waste management license and other applicable environmental, legislative, and other operational requirements
Engineering department	Responsible for providing overall technical support and advise.

## **2.6 PROCESS FOR MONITORING**

N/A

## **2.7 RELATED/SUPPORTING DOCUMENTS**

Please refer to Section 2.2.

## **3. TENDER TECHNICAL EVALUATION STRATEGY**

In order to be eligible for evaluation, the tenderer shall meet all the mandatory requirements.

The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified the

Medupi Power Station Scope of Work for Ash dump Management and Operations A weighted score card approach will be used to evaluate the tenders against the Employer's requirements. The following scoring method will be used in general. It will be specified where other scoring methods is used.

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**Table 1: Scoring Method**

<b>SCORE</b>	<b>PERCENTAGE</b>	<b>DESCRIPTION</b>
5	100	<b>COMPLIANT</b> <ul style="list-style-type: none"> <li>• Meet technical requirement(s)/AND;</li> <li>• No foreseen technical risk(s) in meeting technical requirements.</li> </ul>
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> <ul style="list-style-type: none"> <li>• Meet technical requirement(s) with;</li> <li>• Acceptable technical risk(s) AND/OR;</li> <li>• Acceptable exceptions AND/OR;</li> <li>• Acceptable conditions.</li> </ul>
2	40	<b>NON-COMPLIANT</b> <ul style="list-style-type: none"> <li>• Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR;</li> <li>• Unacceptable exceptions AND/OR;</li> <li>• Unacceptable conditions.</li> </ul>
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

### **3.1 TECHNICAL EVALUATION THRESHOLD**

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 75%.

## **4. TET MEMBERS**

**Table 2: TET Members**

<b>TET number</b>	<b>Designation</b>	<b>Name and Surname</b>
TET 1	Coal Manager	Joshua Lekoloane
TET 2	Snr Technician Coal Management	Sibusiso Vilakazi
TET 3	Civil Engineer	Pakgadi Legodi

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## 5. MANDATORY TECHNICAL EVALUATION CRITERIA

No	Description	Weighting	Tender Returnable(s)	Scoring Criteria
5.1	ISO 9001	50%	Certified Copy of ISO 9001 Accreditation Certificate	<p>No proof attached - 0%</p> <p>Proof attached - 100%</p> <p>(Please note ISO 9001 will be used as a gatekeeper. If there is no proof of registration, we cannot proceed to the next level of evaluation)</p>
5.2	MEIBC registration	50%	Valid Copy of Registration document	<p>No proof attached - 0%</p> <p>Proof attached - 100%</p> <p>(Please note MEIBC/ NBCRFLI will be used as a gatekeeper. If there is no proof of registration, we cannot proceed to the next level of evaluation)</p>

Please note the above will be used as a gatekeeper(s). If there is no valid proof of registration for either, we cannot proceed to the next level of evaluation

## 6. QUALITATIVE TECHNICAL EVALUATION CRITERIA

Notes to tenderer:

1. An undertaking is required that key personnel resources identified would not be changed on award of the Contract and non-specialized resources be recruited locally.
2. The CV's of Key Personnel should have experience which is comparable in nature to the Works specified in this tender.
3. It is a requirement that the key personnel, in particular, have good communication skills in the English language.
4. Where no information is offered by the Tenderer no points shall be scored.

### 6.1 ASH DUMP MANAGEMENT AND OPERATIONS SERVICES EVALUATION CRITERIA (100%)

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Relevant Experience		50%	
	The Tender shall submit completed project(s) reference letter with description of the works, completion date, value and client contact details.	No letter submitted		0=0%
		1 Completed project reference letter.		2=40%
		2 Completed projects reference letters.		4=80%
		3 or more Completed project reference letters.		5=100%

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<b>2.</b>	<b>Technical Proposal with Method Statements</b>		<b>20%</b>	
	<p>The Tenderer shall submit a proposal/method statement detailing all provisions, activities, deliverables, quality, critical and other aspects in accordance with the scope of services.</p> <p>The proposal method statement shall clearly highlight the approach and process of application of the chemical in active environment.</p> <p>Method Statement to contain as minimum.</p> <ul style="list-style-type: none"> <li>a) Storage of the chemical product</li> <li>b) How the application will be conducted</li> <li>c) Detail the method of dust reduction during the application</li> </ul>	Total deficiency AND non-compliance to the SOW		0=0%
		<p><b>NON-COMPLIANT</b></p> <p>Not relatable or from another project OR non-compliance to the SOW</p> <p>Does not meet technical requirements(s) AND/OR contains Unacceptable technical risk(s)</p> <p>Proposal and/or methodology is poor/is unlikely to meet project requirements.</p>		2=40%
		<p><b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• Partial deficiency AND compliance to the SOW.</li> <li>• Technical approach is tailored to address specific project requirements, address the main aspects of the scope.</li> <li>• Method Statement/Proposal omits some critical activities but meets key dates.</li> </ul>		4=80%
		<p><b>COMPLETE COMPLIANCE TO THE SOW.</b></p> <ul style="list-style-type: none"> <li>• Method Statement/proposal address the specific project requirements.</li> <li>• Exceeds requirements whilst adding value.</li> <li>• No unforeseen technical risk(s) in meeting technical requirements.</li> <li>• Meets technical requirements.</li> </ul>		5=100%
<b>3.</b>	<b>CVs and Qualifications of Site Supervisor and organogram of the team</b>		<b>25%</b>	
	<p>The Tenderer shall provide CV's (qualifications and certificates) of key staff as specified below, to demonstrate level of experience and competencies, relevant qualifications.</p>	No Qualification and Experience has no overlap to match the role and responsibility of the team		0=0%
		<p><b>NON-COMPLIANT</b></p> <p><b>With no Organogram</b></p> <p>Or CV's Of Proposed Full Time Project Team.</p>		2=40%

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	<p>a) Experience of key staff in relation to the scope of the works.</p> <p>b) Relevant certified copies qualification i.e N5/6 and/or Ndip Civil/ Mechanical Engineering.</p> <p>c) The Tenderer shall submit an organogram of personnel. The Organogram clearly indicate the project role and name(s) of individual(s). Names on the organogram must align with the CVs submitted.</p>	<ul style="list-style-type: none"> <li>Site Supervisor has limited experience; 1-2 years with relevant qualifications.</li> <li>Failed to comply with requirements.</li> </ul>		
		<p><b>With Organogram</b></p> <ul style="list-style-type: none"> <li>Site Supervisor has minimum 2-4 years' experience with relevant qualifications.</li> </ul>		4=80%
		<p>CV Of Persons</p> <p><b>With Organogram</b></p> <p>Has fully met the requirements.</p> <p>Compliant organogram</p> <ul style="list-style-type: none"> <li>Site Supervisor has 4 years or more experience with relevant qualifications.</li> </ul>		5=100%
<b>4.</b>	<b>Nosa Five Star System</b>		<b>5%</b>	
	Tenderer shall submit a valid Nosa 5-star rating certificate.	No Valid Certificate submitted		0=0%
		1 Star Certified		1=20%
		2 Star Certified		2=40%
		3 Star Certified		3=60%
		4 Star Certified		4=80%
		5 Star Certified		5=100%
			<b>TOTAL: 100</b>	

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## 7. TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	x
2	X	X	x
Qualitative Criteria Number	TET 1	TET 2	TET 3
1	X	X	x
2	X	X	x
3	X	X	X

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## 7.1 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

### 7.1.1 Risks

**Table 4: Acceptable Technical Risks**

Risk	Description
1.	N/A

**Table 5: Unacceptable Technical Risks**

Risk	Description
1.	Exclusions of scope specified in the employers requirements
2.	Unclear staff organogram. I.e. the staffing plan is weak not showing clarity in allocation of tasks and responsibilities
3.	Application method to impact the operation of the facility.
4.	Proposed chemical not meeting the environmental requirements, of being biodegradable.
5.	The Tenderer submits methodology/approach that is generic and not tailored to address specific project requirements and objectives. The approach does not contain all critical aspects of the project.
6.	The Tenderer does not show understanding and/or appreciation of the regulatory and legislative requirements for the scope.
7.	Noncompliance with the Scope of Work requirements, entirely or parts thereof, National Standards, Employers Requirements, Regulations and Legislation
8.	Unreasonable risks mitigation strategies and assumptions
9.	Does not align to Client/Eskom objectives
10.	Exclusion of a project specific schedule

### 7.1.2 Exceptions / Conditions

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

Risk	Description
1.	N/A

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

Risk	Description
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1.	Deviation from technical criteria requirements
2.	The method statement is generic, incomplete and not tailored to address the specific project objectives, scope and constraints. It does not deal with the critical constraints and hazards of the project.
3.	Noncompliance, entirely or parts thereof, with the Scope of Work requirements, National Standards, Employers Requirements, Regulations and Legislation.
4.	Contractor has no proven previous application experience of the compound.

## 8. AUTHORISATION

This document has been seen and accepted by:

<b>Name &amp; Surname</b>	<b>Designation</b>
Joshua Lekoloane	Coal Supply Manager Coal Management
Langa Zuma	Auxiliary Engineering Manager
Sibusiso Vilakazi	Snr Technician Coal Management
Pakgadi Legodi	Engineer Civil

## 9. REVISIONS

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>
June 2025	0	Sibusiso Vilakazi	Final Copy

## 10. DEVELOPMENT TEAM

All Technical Evaluation Team Members were involved with the development of this document.

## 11. ACKNOWLEDGEMENT

Thanks to all who have contributed to this strategy and the constructive way in which knowledge and information have been shared and provided.

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