	<b>Technical Evaluation</b>	<b>Maintenance</b>
---	-----------------------------	--------------------

Title: **Technical evaluation for Site Maintenance Contract for Boiler Feed Pumps, Condensate Extraction Pumps and Main Cooling water pumps and their auxiliary systems at Grootvlei Power Station**

Unique Identifier:

Alternative Reference Number: **N/A**

Area of Applicability: **Maintenance**



Documentation Type: **Technical Evaluation**

Revision: **0**

Total Pages: **7**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
		
<b>Tebatso Matsha</b>	<b>Mlungisi Hlongwane</b>	<b>Ben Madisa</b>
<b>Turbine Maintenance Supervisor</b>	<b>Turbine Maintenance Manager</b>	<b>Maintenance Manager (Acting)</b>
Date: 10/09/2024	Date: 10/09/2024	Date: .....

## CONTENTS

	Page
1. INTRODUCTION.....	2
2. SUPPORTING CLAUSES .....	2
2.1 PURPOSE.....	2
2.2 APPLICABILITY .....	2
2.3 ACCEPTED DOCUMENTATION	

## **1. INTRODUCTION**

### **Executive overview**

Eskom Grootvlei Power Station requires Site Maintenance Contract for Boiler Feed Pumps, Condensate Extraction Pumps and Main Cooling water pumps and their auxiliary systems

## **2. SUPPORTING CLAUSES**

### **2.1. Purpose**

The purpose of this document is to define the technical criteria to be met by a supplier that seeks to provide the services as clearly specified in the Scope Of work for this contract. It will further state which documents and the standards such documents should meet in order to be considered for technical evaluation scoring.

### **2.2. APPLICABILITY**

This document shall apply to Grootvlei Power Station Site Maintenance Contract for Boiler Feed Pumps, Condensate Extraction Pumps and Main Cooling water pumps and their auxiliary systems which has 8 Stage centrifugal feed water pump, 2.11M NPSH with the speed of 2970 RPM and the impeller 380 MM and 66" VSSI Vertical Installed concrete volute main cooling water pump with the power rating of 1454 kW, full load current of 155Amps at 990 rpm speed with pump head of 18.6m and the flow rate of 375 m<sup>3</sup>/min and horizontal multi-stage condensate extraction pump, quantity of 200 l/s, head of 130m, power of 330,20kW, efficiency of 74% with the speed of 960 RPM installed respectively.

### **2.3. ACCEPTABLE DOCUMENTATION**

All purchase order and contract documents must be a verifiable Eskom issued document which can be issued by any Eskom site with the relevant systems related to this SOW. The document is a valid document even when the work was executed in the past as well as current. These documents will be verified using SAP system for authenticity.

All qualifications must be SAQA approved, and all trade test certificates issued by an approved training authority. Copies of these documents must be certified accordingly otherwise they'll not be considered for evaluation purposes.

All CV's must be detailed with relevant experience clearly specified/stipulated and traceable references included.

## Evaluation Criteria

The evaluation criteria that will be used for scoring the tender documents is as per attached evaluation sheet. The criteria will be available as part of the documentation from Eskom to the Suppliers during the tendering stage.

Evaluation shall be carried out according to the *Evaluation Criteria as provided*.

## Evaluation Requirements

**Detailed Evaluation Criteria – Site Maintenance for Boiler Feed Pumps, Condensate Extraction Pumps and Cooling Water Pumps and their associated auxiliaries at Grootvlei Power Station**

Factor	Weight	Criteria	Scoring	Weight x Score	Weight x Score
<b>1</b>	<b>20%</b>	Has the contractor provided maintenance services of 66" VSSI Vertical Installed concrete volute main cooling water pump with the power rating of 1454 kW, full load current of 155Amps at 990 rpm speed with pump head of 18.6m and the flow rate of 375 m <sup>3</sup> /min any Eskom site/related site	6 – 12 months	25%	
			13 – 24 months	50%	
			25 – 36 months	75%	
			Above 36 months	100%	
		Please provide valid contract or Purchase order number. Purchase order should be at least 6 months on site maintenance.			
	<b>7%</b>	Has the contractor supplied experience (in months/years) for similar works on 66" VSSI	<b>6 – 12 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20%	25%	
			<b>13 – 24 months:</b>		

<b>2</b>	Vertical Installed concrete volute main cooling water pump with the power rating of 1454 kW, full load current of 155Amps at 990 rpm speed with pump head of 18.6m and the flow rate of 375 m <sup>3</sup> /min by the employees with traceable references linked to a valid Purchase order or contract number?		Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20% <b>25 – 36 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20% <b>Above 36 months</b> All	50%		
<b>3</b>	Has the contractor provided maintenance services of 8 Stage centrifugal feed water pump, 2.11M NPSH with the speed of 2970 RPM and the impeller 380 MM any Eskom site/related site  Please provide valid contract or Purchase order (PO) number. Purchase order should be at least 6 months on site maintenance.	<b>20%</b>	6 – 12 months 13 – 24 months 25 – 36 months Above 36 months	25% 50% 75% 100%		
<b>4</b>	Has the contractor supplied experience (in months/years) for similar works on of has 8 Stage centrifugal feed water pump, 2.11M NPSH with the speed of 2970 RPM and the impeller 380 MM by the employees with traceable references linked to a valid Purchase order or contract number?	<b>7%</b>	<b>6 – 12 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20% <b>13 – 24 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20% <b>25 – 36 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20% <b>Above 36 months - All</b>	25% 50% 75% 100%		
<b>5</b>	Has the contractor provided maintenance services of horizontal multi-stage condensate extraction pump, quantity of 200 l/s, head of 130m, power of	<b>20%</b>	6 – 12 months 13 – 24 months 25 – 36 months	25% 50% 75%		

	330,20kW, efficiency of 74% with the speed of 960 RPM at any ESKOM site/related site  Please provide valid contract or Purchase order number. Purchase order should be at least 6 months on site maintenance.		Above 36 months	100%		
<b>6</b>	Has the contractor supplied experience (in months/years) for similar works on of horizontal multi-stage condensate extraction pump, quantity of 200 l/s, head of 130m, power of 330,20kW, efficiency of 74% with the speed of 960 RPM by the employees with traceable references linked to a valid Purchase order or contract number?	<b>7%</b>	<b>6 – 12 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20%	25%		
			<b>13 – 24 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20%	50%		
			<b>25 – 36 months:</b> Supervisor – 20% Artisan x3 – 60% Semi-Skilled x3 – 20%	75%		
			Supervisor Supervisor, 1 artisan, 1 semi-skilled Supervisor and 2 Artisans All	25% 50% 75% 100%		
<b>7</b>	Has the contractor supplied all qualifications listed in the scope of work for the 7 employees required to service the contract? Supervisor x1: N6 Certificate (Technical Diploma) or National Diploma in Mechanical Engineering.  Artisan (Fitter) x3: N3 and a Trade test  Semi-Skilled x3: Matric/Grade 12	<b>19%</b>				
	<b>TOTAL</b>	<b>100%</b>				

The threshold on the technical evaluation criteria is 75%. Suppliers / Service providers would be deemed unacceptable if they score less than the threshold score and will thus not be evaluated further.

## AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Tebatso Matsha	Turbine Maintenance Supervisor
Mlungisi Hlongwane	Turbine Maintenance Manager
Mlungisi Khumalo	Turbine Engineering Engineer
Samukelo Ngubane	Turbine Engineering Engineer
Vusi Dlamini	Turbine Engineering Manager
Gugu Ngcobo	Corporate Specialist

## REVISIONS

Date	Rev.	Compiler	Remarks
01 September 2024	0	Tebatso Matsha	First Issue

## DEVELOPMENT TEAM

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

Tebatso Matsha

Mlungisi Hlongwane