

Title: **Tender Technical Evaluation Strategy for Kusile Power Station Fire Pump Diesel Engine Governor Controller Conversion from Manual to Automatic Project**

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1. INTRODUCTION

An open market invite will be issued calling for interested bidders to partake in the tender process for the Fire Pump Diesel Engine Governor Controller Conversion Project. The contract entails the contracting of design and installation of an electronic governor controller for the Doosan diesel engine which drives diesel fire pumps. This includes providing training for the electronic controller for site personnel, as well as supporting data packs which shows the full design, operating and maintenance data of the governor for spares cataloguing.

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 TET, their responsibilities and the criteria used to evaluate the tender receivables.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and the TET member responsibilities for the 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 engineering team working on the Kusile Power Station Fire protection systems.

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] 32-1034: Eskom Procurement Policy

2.2.2 Informative

- [3] KUS-20220567: Kusile Power Station Governor controller conversion project - Scope of Work

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content.
Functional Responsibility (Turbine Plant Manager)	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser (Engineering Group Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.
Lead Discipline Engineers	Provides input to the technical tender evaluation strategy and associated engineering activities.

2.6 PROCESS FOR MONITORING

The primary process for monitoring will be governed by the Tender Technical Evaluation Procedure ([240-48929482]), this entails assuring that the design achieves the requirements set out in this document. Any changes to this document will be performed as per Project Engineering Change Management Procedure (240- 53114026).

2.7 RELATED/SUPPORTING DOCUMENTS

Please refer to Section 2.2.

3. TENDER TECHNICAL EVALUATION STRATEGY

To be eligible for evaluation, the tenderer shall meet all the mandatory requirements. The scoring for each tenderer will be done as per the scoring table shown below. The minimum weighted average required for the tender to be considered for further evaluation is 70%.

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The evaluation scores will be weighted as follows according to disciplines:

Technical (100%)	
Approved Doosan Diesel Engine service provider	80%
Fire Pump Professional Services	20%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

3.2 TECHNICAL EVALUATION THRESHOLD

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

3.3 TET MEMBERS

Table 1: TET Members

TET number: Section to be evaluated	TET Member Name	Designation
TET 1: Electrical Engineering	Collin Lepee	Electrical Engineer
TET 2: Turbine Engineering	Masande Gomomo	Mechanical Engineer
TET 3: C&I Engineering	Tebogo Thebe	C&I Engineer
TET 4: Electrical Engineering	Thabani Shibe	Electrical Engineer
TET 5: Fire Risk management	Katlego Masha	Fire Risk Officer

4 MANDATORY TECHNICAL EVALUATION CRITERIA

To be eligible for evaluation, the tenderer shall meet the following gatekeepers:

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Source of Evidence	Motivation for use of Criteria
1.	Authorised Doosan Diesel Engine Agent	Confirmation certificate	Technical Compliance
2.	Qualified Diesel mechanic	Qualification certificate	Technical Compliance

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Table 3: Company Relevant Experience

Project Number	Works Completed by	Name of Client	Project description	Contract value	Contact person
1					

*Certificates of completion/traceable reference for projects listed above to be included as part of mandatory criteria

5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Notes to tenderer:

1. The CV's of Key Personnel should have experience which is comparable in nature to the Works specified in this tender.
2. It is a requirement that the key personnel have good communication skills in the English language.
3. Where no information is offered by the Tenderer no points shall be scored.

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Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.	GENERAL WORKS			100%		
1.1	Comprehension of Scope					
	1.1.1	<p>Provide a typical method statement for the scope of works. The method statement/s shall detail how the tenderer proposes to execute the works. The method statement shall clearly provide details of the inspection/assessment works that will be adopted for execution of the scope of works.</p> <ul style="list-style-type: none"> • Minimum high-level requirements: <ul style="list-style-type: none"> ○ Typical inspection methodology/ description of the inspection/assessment works. ○ Plant/equipment to be used for the inspection works ○ Typical resource responsibilities 	Method statement		40%	<p>40% = Comprehensive method statement - demonstrates the ability to execute the scope far in excess of the minimum requirements</p> <p>30% = Method statement is consistent with the scope of works</p> <p>20% = Method statement is poor and not reflective of the project requirements/scope of works.</p> <p>0% = No method statement submission</p>
1.2	Relevant Experience					
	1.2.1	<p>Relevant experience/ (track record):</p> <p>The tenderer submits a list of traceable references/completion certificates that adequately prove that the tenderer has completed two (2) or more contracts successfully in the last five (5) years covering</p>	List of previously completed projects of similar scope with traceable references including completion certificates		20%	20% = 5 or more completed projects of similar nature. References and completion certificates included

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
		the scope of works of a similar nature				10% = 3 or more completed projects of similar nature. References and completion certificates included 5% = 1 -2 completed projects of similar nature. References and completion certificates included 0% - 0 completed projects of similar nature
1.3	Organogram and CV's of Key Personnel					
	1.3.1	Project Organogram <ul style="list-style-type: none"> The Tenderer to submit the organizational structure of key personnel of the main contractor and/or subcontractors. 	Project organogram.		5%	5% = Organogram with minimum key resources indicated 3% = Organogram with no key resources indicated 0% = No project organogram submission

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	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.3.2	<ul style="list-style-type: none"> In case of an association/joint venture/consortium, it should be indicated how the duties and responsibilities are to be shared. If the tenderer intends making use of the services of subcontractor(s) for sections of the works, the delegation of duties and responsibilities should be clearly indicated. To the extent that such information is available, provide the subcontractor organisation and staffing as per requirements above. <p>Minimum required key resources are:</p> <ul style="list-style-type: none"> Qualified Diesel mechanic Qualified Mechanical Engineer SHEQ team <p>Experience of key staff in relation to the Scope of Works.</p> <ul style="list-style-type: none"> Demonstrate the level of relevant experience of key personnel. Relevant qualifications (degree/diploma/certificates) as well as curriculum vitae of key personnel to be submitted as part of the tender submission. Tenderer to also demonstrate that each of the proposed key resources have a minimum of three (3) years of post-qualification experience in working on projects of a similar nature as specified. 	CV's of key resources, Certified copies of registration certificates		20%	<p>20% = CV's of key resources as well as qualifications certificates included</p> <p>0% = No CV's of key resources as well as qualifications certificates included</p>

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.4	Project Execution Plan and Project Programme.					
1.4.1	Provide a typical project programme listing all activities that are required to execute the full scope of work from contract award to handover. The dates generated by the Programme activities represent the anticipated start and completion of work required to execute the full scope of work in a logical and realistic manner	Project programme/schedule		15%	15% = Comprehensive project programme detailing all inspection project activities from contract award to project completion/handover 10% = Project programme not detailed or missing key inspection project activities 0% = No project programme submission	
				TOTAL	100%	

6 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET (1), (2), (3), (4)
1 (1)	X
1 (2)	X
1 (3)	X
1 (4)	X
1 (5)	X
Qualitative Criteria Number	TET (1), (2), (3), (4)
1.1.1	X
1.2.1	X
1.3.1	X
1.4.1	X
1.5.1	X

7.1 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

7.1.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Exclusion of Professional Registration Certificates of key personnel allocated to perform specified works

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2.	Exclusion of a project specific schedule
3.	Exclusion of proof/record of completed projects of similar scope with traceable references

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7.1.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

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7 AUTHORISATION

This document has been seen and accepted by:

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8 REVISIONS

Date	Rev.	Compiler	Remarks
July 2022	1	M Gomomo	First issue

9 DEVELOPMENT TEAM

Masande Gomomo

10 ACKNOWLEDGEMENTS

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