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Strategy for Kusile Fuel Filling
Station**

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Compiled by	Functional Responsibility	Authorised by
.....		
Senior Advisor Contracts Management	Middle Manager Project Management	Middle Manager Engineering
Date:	Date:	Date:

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1. INTRODUCTION

This strategy establishes the Technical Evaluation Team (TET), defines their responsibilities, and sets out the evaluation criteria to be applied in assessing tenders for the Kusile Fuel Filling Station Engineering, Procurement and Construction (EPC) turnkey contract.

An invitation to tender will be issued to interested parties for the design, procurement, fabrication, manufacture, factory testing, storage, delivery to Kusile Power Station, off-loading, erection, installation, site testing, cold and hot commissioning, project management, and quality control of a fully functional Fuel Filling Station at Kusile Power Station. This document provides the evaluation methodology and criteria that will be used to assess tenders received in response to the enquiry invitation.

2. SUPPORTING CLAUSES

2.1 SCOPE

This strategy defines the TET, their responsibilities, and the criteria to be used to evaluate the Kusile Fuel Filling Station project.

2.1.1 Purpose

2.1.2 Applicability

This strategy document applies to the engineering team working on the Kusile Fuel Filling Station project.

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
- [3] 474-59 Internal Audit Procedure

2.2.2 Informative

- [4] KUS-20260806: Technical Specification for Kusile Fuel Filling Station

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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
C&I	Control & Instrumentation
CoE	Centre of Excellence
DCS	Distributed Control System
EMP	Environmental Management Plan
EPC	Engineering, Procurement and Construction
kV	Kilovolt
LDE	Lead Discipline Engineer
NTT	Notes To Tender
OEM	Original Equipment Manufacturer
PEIC	Production Engineering Integration Coal
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
SACPCMP	South African Council for the Project and Construction Management Professions
ECSA	Engineering Council of South Africa

2.5 ROLES AND RESPONSIBILITIES

The roles and responsibilities are as per the Tender Technical Evaluation Procedure [1].

2.6 PROCESS FOR MONITORING

This procedure shall be monitored by the Internal Audit Procedure [3].

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. TENDER TECHNICAL EVALUATION STRATEGY

TECHNICAL EVALUATION THRESHOLD

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

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Table 1: Scoring Method

SCORE	PERCENTAGE	DESCRIPTION
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

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

Table 2: Evaluation Scores

Technical (100%)	
6.1 Civil	50%
6.2 Mechanical	40%
6.3 Control & Instrumentation	10%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

4. TECHNICAL EVALUATION TEAM MEMBERS

Table 3: TET Members

TET number	TET member	Designation
TET 1		Mechanical Engineer – Fire Protection System
TET 2		Civil Engineer
TET 3		Electrical Engineer
TET 4		C&I Engineer
TET 5		Geologist
TET 6		Mechanical Engineer – Fire Protection System

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To be eligible for evaluation, the Tenderer shall meet the gatekeepers specified in the table below:

5. MANDATORY TECHNICAL EVALUATION CRITERIA

Table 4: Mandatory Evaluation Criteria

	Mandatory Technical Criteria Description	Source of Evidence	Motivation for use of Criteria
	Relevant experience/ (track record): The Tenderer must submit verifiable reference letters and completion certificates for a minimum of two (2) projects completed within the past ten (10) years, directly related to fuel filling stations of a comparable nature and complexity. For the purposes of this tender, “similar scope” refers to projects involving fuel filling stations of a comparable nature and complexity. Such projects may include, but are not limited to, the following activities: • A fully equipped fuel filling station, including reconfigurations to electrical, structural, HVAC, fire protection and detection systems • Construction, installation, modification or upgrading of fuel filling station infrastructure, including underground storage tanks, fuel dispensers, piping, offloading areas and associated civil works • Additions or extensions to existing fuel facility infrastructure, including integration with existing fuel storage, dispensing, electrical, mechanical, fire protection and control systems • Reconfiguration, refurbishment or upgrading of fuel filling station systems, including layouts, tank farms, piping routes, dispensing areas, drainage, oil separators and associated services • Coordination and integration of multidisciplinary fuel filling station works, including civil, structural, mechanical, electrical, fire protection, control and instrumentation activities	The Tenderer shall submit verifiable reference letters AND completion certificates for each project submitted under this criterion. All submitted documentation shall meet the following minimum requirements: • Documents shall be issued on the official letterhead of the client or authorised referee. • Each reference letter and completion certificate shall clearly state the: ○ Project name ○ Project description and scope of work ○ Contract value ○ Completion date ○ Tenderer’s role and level of responsibility ○ Client or referee contact details (name, position, and mobile and/or telephonic contact number) ○ Confirmation of satisfactory performance The Tenderer shall submit a declaration letter confirming that all submitted references and certificates are authentic. The Tenderer notes that forged or falsified documents will result in disqualification and may have legal consequences. Notes: • Only projects completed within the past ten (10) years from the tender closing date will be considered. • Submitted projects must be directly related to the defined similar works and aligned with the Technical Scope Document;	This criterion is used to assess the tenderer’s demonstrated competence and capability in delivering works of a similar nature, complexity and scale to those required under this contract. Tenderers that cannot demonstrate relevant and recent experience present an unacceptable technical and delivery risk. This criterion therefore supports the selection of a contractor with a proven track record, reducing overall project risk.

6. QUALITATIVE TECHNICAL EVALUATION CRITERIA

- Notes to tenderer:
- Where no information is offered by the Tenderer, no points shall be scored.

6.1 CIVIL & STRUCTURAL (50%)

No	Description	Weighting	Sub-weighting	Tender Returnable(s)	Scoring Criteria
6.1	Civil & Structural Evaluation Criteria				
6.1.1	Design:	20%			
6.1.1.1	The Tenderer shall submit the qualifications and previous work experience of the Lead Civil or Structural Design Engineer.		40%	1. CV of the Lead Civil or Structural Design Engineer (At least 5 years relevant experience post registration). 2. All relevant and valid registration certificates (At least 5 years' relevant experience post registration).	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.1.1.2	Design Methodology for the design of civils and structural works: The Design Methodology is to clearly provide typical details of the design method to be followed.		60%	1. Typical design methodology to be used for: a) Proposed Geotechnical Investigations and Safe Underground Excavations. b) Sketch of Proposed General Arrangement for all Equipment (underground storage tanks, fuel dispensers, oil separators, offloading slab, piping route and digital tyre inflator. c) Proposed Civil and Structural Works execution plan which includes high level list and schedule of deliverables. d) Proposed Construction Supervision and Design Assurance, highlighting all intervention points	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.

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6.1.2	Construction	30%			
6.1.2.1	Typical construction methodology clearly detailing the construction approach and method to be adopted for all related civil and structural infrastructures.		60%	1. Typical construction methodology, typical method statements for the execution of works: a) Submit typical method statement for Civil and structural works (excavation works, concrete works, structural steel works and storage tanks fabrication & installation) and clearly demonstrating due care for already existing infrastructure. b) Submit typical inspection and test plans for construction activities detailing interventions and inspection by the Contractor, Sub-Contractor and the Employer. c) Submit typical risk assessment for construction activities and risk management plan. d) Submit Commissioning and Handover process to be used	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.1.2.2	The Contractor's and subcontractor's previous experience in similar civil and structural works, including underground storage tanks, within the past ten (10) years.		20%	Proof of completion shall contain the following information for evaluation purposes: 1) Name of Client where project was executed 2) Project Description 3) Construction period 4) Contract value 5) Contact person <i>(Provide a list of verifiable references or signed completion certificates)</i>	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.1.2.3	Project Manager Professionally Registered with SACPCMP (At least 5 years relevant experience post registration).		20%	Tender Returnable include: • CV of the Project Manager • Attach copies of relevant and valid registration certificate/s	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.

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6.2 MECHANICAL EVALUATION CRITERIA (40%)

No	Description	Weighting	Sub-weighting	Tender Returnable(s)	Scoring Criteria
6.2	Mechanical Evaluation Criteria:	40%			
6.2.1	Mechanical construction scope capacity. The Tenderer shall submit typical method statements that clearly provide details of the construction method to be adopted to execute the Works.		50%	The Tenderer shall submit a typical method statement encompassing the activities listed below as a minimum, including details and typical data sheets for the proposed equipment: 1) Fabrication & Installation of underground storage tanks 2) Fabrication and installation of all piping and piping supports, where applicable, including pumps, valves, dispensers, oil separators, digital pre-set tyre inflators and any other ancillary mechanical equipment. 3) Welding and Bolting (where required) 4) Hydrostatic and/or Pressure testing (where required) 5) Flushing and Cleaning of Piping	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.2.2	CV of Mechanical Engineering Resources dedicated to this project and ECSA registration status.		25%	The tenderer to submit, as a primary contractor or as part of a joint venture, the following information for verification purposes: 1. CV of the Mechanical Engineer with a minimum of five years related experience. 2. ECSA professional registration (Pr.Eng/Pr. Tech Eng) of the Mechanical Engineer	
6.2.3	Mechanical Design Scope Capacity. Tenderer submits Previous Typical design documentation: 1) HAZOP Report 2) FMECA Report 3) Pipe & Instrumentation and General Arrangement Drawings 4) Operating Philosophy		25%	Mechanical Design Scope Capacity. Tenderer submits Previous Typical design documentation: 1) HAZOP Report 2) FMECA Report 3) Pipe & Instrumentation and General Arrangement Drawings 4) Operating Philosophy	

6.3 CONTROL AND INSTRUMENTATION EVALUATION CRITERIA (10%)

No	Description	Weighting	Sub-weighting	Tender Returnable(s)	Scoring Criteria
6.3	Control and Instrumentation Evaluation Criteria	10%			
6.3.1	Proposed operating concept for the Fuel Management System		50%	Provide a typical operating concept for the Fuel Management System capable of performing the following functions: 1. Identify the Filling Station Operator to prevent unauthorized use of fuel. 2. Identify the vehicle being filled. Only authorized Eskom Fleet vehicles shall be filled at this Filling Station. 3. Only authorized individual(s) should be able to override the system. 4. Proposal of how Fuel Management System data will be captured and extracted for reporting purposes.	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.3.2	Tenderer submits the typical Fuel Station Network Architecture		12.5%	Tenderer submits the typical Fuel Station Network Architecture	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.3.3	Tank level measurement methodology to be used		12.5%	Tenderer submits the Typical Tank Level Measurement Details	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.
6.3.4	Location of C&I Equipment and Environmental and Hazardous Location Protection		25%	The Tenderer shall submit a signed declaration confirming that the C&I equipment will be suitable for the environment in which it is located and operated.	Please refer to Appendix A: Fuel Filling Station Tender Technical Evaluation Scorecard.

7. TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
5 (1)	X	X	X	X	X	X
5 (2)	X	X	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
6.1 Civil & Structural	X	X				
6.2 Mechanical			X	X		
6.3 C&I					X	X

A. FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

i. Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Exclusions of scope specified in the employers' requirements
2.	Irrelevant design and construction experience in relation to the Employers' issued scope of work

ii. Exceptions / Conditions

Table 8: Acceptable Technical Exceptions/ Conditions

Risk	Description
	N/A

Table 9: Unacceptable Technical Exceptions/ Conditions

Risk	Description
1.	N/A

8. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
	Civil Engineer	
	Mechanical Engineer – HVAC System	
	Mechanical Engineer – Fire Protection System	
	Electrical Engineer	
	C&I Engineer	

9. REVISIONS

Date	Rev.	Compiler	Remarks
August 2026	1		First Issue

10. DEVELOPMENT TEAM

All Technical Evaluation Team Members, as listed in Table 1, were involved with the development of this document.

11. ACKNOWLEDGEMENTS

None