Eskom	Strategy	Engineering

Title	**Line Stop on 2nd Control and Service Air Receivers TES**	Unique Identifier
		Alternative Reference Number **N/A**
		Area of Applicability **Kendal Power Station**
		Functional Area **Engineering**
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		Disclosure Classification CONTROLLED DISCLOSURE

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TABLES

1. INTRODUCTION

This technical evaluation document will be used to determine the suitable and qualifying supplier to conduct line stop on 2nd service air receiver (0 SCA 22 BB001) and 2nd control air receiver (0 0QFB20 BB001) to achieve isolation on each air receiver separately See Scope of Work for clarity

2. SUPPORTING CLAUSES

2.1 SCOPE

This scope of work is to be RBI compliant 2nd service and control air receivers, by conducting line stop on each air receiver

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's responsibilities for the tender technical evaluation process This strategy serves as an ultimate for the tender technical evaluation process while SD&L and procurement processes support the technical tender's objective

2.1.2 Applicability

This document applies only to this tender for sourcing suitable contractor to conduct line stop on five compressed air lines

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] *1037767 Kendal Power Station Procurement Purchase Requisition Compliance Checklist

[3] 32-188, Eskom's Procurement and Supply Chain Management Procedure

2.2.2 Informative

[4] Occupational Health and Safety Act

[5] 32727, SHEQ policy

2.3 DEFINITIONS

2.3.1 General

Definition	Description
Component	Any self-contained part, combination of parts, subassemblies, or units, which perform a distinctive function necessary to the operation of a system
Eskom Cardinal rules	Are safety rules designed to keep all employees and visitors safe at all times, so that they must be acted upon at all times
Maintenance	A combination of all technical, administrative and managerial actions during the lifecycle of an item intended to retain it in, or restore it to, a condition in which it can perform its required function
Mandatory Evaluation Criteria	Criteria that the tenderer must fulfil These criteria will not be scored, each tenderer will be assessed on a **yes/no** basis
Material deviations	It is the non-conforming deviation to the technical requirements e g has the detrimental effects on the scope or quality or performance of works as identified in the Scope of Works
Method Statement	A written document detailing the key activities in sequence to be performed in order to successfully complete the work tasks while ensuring as practical reasonable that all risks and hazards identified are reduced
Minimum Weighted Final Score	The final highest technically ranked score after consolidating all individual scoring by TET members recommended from a technical perspective provided this score exceeds the 75% threshold
Qualitative Evaluation Criteria	Weighted evaluation criteria used to identify the highest technically ranked tenderer in this case Mandatory Evaluation Criteria are not the prerequisite
Responsive tender	It is the tender that conforms to all terms, condition, and specifications of the tender documents without material deviations or qualifications
Safe Handling Method	It is the procedure that describes how equipment is to be handled in a safe and standardised process

2.3.2 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
LPS	Low Pressure Services
MoU	Memorandum of agreement
QCP	Quality Control Procedure
SD&L	Supplier, development, and localization
SHEQ	Safety Health Environment & Quality
SOW	Scope of Work

Abbreviation	Description
TET	Tender Evaluating Team

2.5 ROLES AND RESPONSIBILITIES

- As per 240-48929482 Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

- The evaluator will be required to complete the Technical Evaluation Team Member Appointment Letter form, **240-106871290** and MUST provide the evaluation memorandum to the TET which he or she will utilise, prior conducting the evaluation For the outcome monitoring of the evaluation's quality, evaluations will be done individually by a minimum of two (2) TET members, each using Tender Technical Evaluation Scoring form, **240-53716726** to evaluate each tenderer.
- The results deviations below 10% will be averaged but if above 10% will be collectively audited by not less than three (3) TET members including evaluators to ascertain the reason of discrepancy and if no conclusion is reached senior manager will be consulted
- It must be noted that the **70%** threshold will assist with the grading of the submissions, but the responsive tender is vital for the successful execution of the complete work

2.7 RELATED / SUPPORTING DOCUMENTS

- N/A as per Tender Engineering Evaluation Procedure number 240-48929482

3. TENDER TECHNCIAL EVALAUTION STRATEGY

- Process will follow an open tender process with only Qualitative Technical Evaluation criteria used for the evaluation process Qualitative Technical Evaluation will follow the weighted evaluation route with the necessary supporting document/s provided. Only the tenderers that have achieved a total score of 70% under qualitative criterion will be considered

3.1 TECHNICAL EVALUATION THRESHOLD

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

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Seshego Mmola	RBI Engineer
TET 2	Thulebona Mahlaba	Maintenance Manager
TET 3	Mzwandile Gcaleka	Auxiliary Engineering Manager

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2 defines all the Mandatory Evaluation Criteria to be used as well as the reference to the specification and motivation for Criteria use. These criteria will not be scored, each tender will be assessed on a **yes/no basis**

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Yes/No
1	The contractor shall provide ECSA certificate of a Professional Engineer or Technologist to be involved in this scope	Tender Returnable	Critical engineering calculations are required for the works, Professional Engineer or Technologist are deemed to be competent by Ecsa to solve critical works and they will take accountable for all their works to be signed on this project	
2	The contractor to submit ISO 3834 Part 2 accreditation certification If company does not have the certification, they can outsource and submit MOU which is signed by both companies' senior management with authority on a company headed letter	Tender Returnable	All companies performing welding related activities on Eskom plant shall have accreditation to ISO 3834 as follows, where Level 1 plant require Comprehensive Type **ISO 3834 Part 2** (refer to section 7 2 of Eskom standard **240-106628253**)	

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

During the tender evaluations the following table shall be used by the TET members to score each criterion on a scale of 0 to 5 as per table 3

Table 3: Qualitative Evaluation Criteria

Score	(%)	Definition
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**
Note 1: The scoring table does not allow for scoring of **1** and **3** **Note 2** Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

Table 4 indicates the qualitative technical evaluation criteria that shall be used by the technical tender evaluation team

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Floor (0)	Kick in (2)	Average (4)	Ceiling (5)
1.	**Provide Detailed Methodology on how line stop will be conducted on five the lines**	The contractor to provide detailed methodology on line stop, how minimal loses will be achieved, and how long the flushing will take place to achieve minimal loses Stating all steps in sequential order	**40%**	**100%**	No submission	Insufficient methodology provided and does not stipulate how minimal loses will be achieved Sequential steps not stated	Contractor has submitted methodology on how line stop will be conducted on the four lines, and how minimal loses will be achieved	Contractor has submitted detailed methodology on how line stop will be conducted on the five lines, how minimal loses will be achieved, how long it will take for flushing, and has stated all steps in sequential order
2.	**Provide risk-based assessment for the works. This is level 1 plant.**	The contractor should identify all the risks, evaluate, implement control measures This will assist the client understand what all risks they can be exposed to during the execution phase	**15%**	**100%**	No submission	The contractor has identified all the risks, but did not evaluate, and implement controls	The contract has identified all the risks, evaluated them and did not implement controls	The contractor has identified all the risks, evaluated all he risks and implemented controls for all the risks
3.	**Daily Project Schedule**	The Contractor shall provide detailed daily project schedule on all the services to be provided This will help the client understand the duration of the works The project plan should include deliverables, timeline,	**15%**	**100%**	No Submission	Contractor provided insufficient daily project schedule, with less than 80% of the requirements listed	The contractor submitted 80% of all listed requirements, but less than 100%	The Contractor shall provided detailed daily project schedule, with all listed requirements

		dependencies, resources, estimated time.						
4.	**Assessing reference for similar work done within past 3 years**	The Contractor provided proof of line stop previously done within 3 years The authenticity of recent previous and similar work done is vital to show company experience The proof must be in a form of a **detailed data book, containing valid traceable PO or Contract Number** Critical documents welding requirements, QCP, methodology on line stop, NDTs, qualified workers, material specifications.	**20%**	**100%**	No submission	Incomplete data book, not showing full evidence of the previous work done	Submission of previous detailed data book containing 80% of all listed documentation but less than 100%	Submission of previous detailed data book containing 100% of all listed documentation

5.	**Provide Quality Control Plan (QCP)**	The contractor should provide a QCP to be followed during the manufacturing process, including intervention points, this will show the understanding of quality requirements	**10%**	**100%**	No submission	The Contractor has provided QCP with insufficient activities and intervention Points		The contractor has provided a detailed QCP, containing all stages from valve body casting to final release
		Total	**100**					

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X
5	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1	Team members with more than one (1) year experience but less than two (2) years minimum required.
2	SD&L requirement of training locals

Table 7: Unacceptable Technical Risks

Risk	Description
1	Scope deviations
2.	No support documentation
3	Unsigned and unauthenticated support documentation
4	Team leaders experience below the minimum required
5	Non-existence of the key critical personnel
6	Proposals not reflecting Eskom Cardinal rules

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Eskom reserves the right to indicate the local personnel to be trained
2	Sub-contracting or sourcing critical skills
3	Contractor obtaining 70% total score with all mandatory criteria met

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	Tender returnable not complete due to non-submission of documents citing the protection of proprietary information.
2.	Lack of relevant but previous experiences
3	The lack of competency from the method statement provided
4	The contractor does not agree to provide assistance to activities or information as requested by the technical evaluation Criteria

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation
Mzwandile Gcaleka	Auxiliary Plant Engineering Manager
Sazi Jele	Senior Engineer Auxiliary Engineering
Mphalela Mokonyane	System Engineer
Seshego Mmola	RBI Engineer
Maredi Boy	Senior Supervisor Maintenance

5. REVISIONS

- **N/A**

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

7. ACKNOWLEDGEMENTS

- **None**