Eskom	Strategy	CAMDEN POWER STATION

Title: **Manufacture, Supply, and Delivery of Spare Parts for Pulverized Fuel (PF) Burners – Evaluation strategy**

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1. INTRODUCTION

The Tender Technical Evaluation Strategy has defined the mandatory and qualitative evaluation criteria which serve as a basis for the technical evaluation process. This document covers the different aspects that will be evaluated by the technical evaluation team (TET) to complete the technical evaluation with regards to the **Manufacture, Supply, and Delivery of Spare Parts for Pulverized Fuel (PF) Burners contract** at Camden Power Station.

The scope includes but not limited to the following:

- The *Contractor* shall provide a qualified and competent team with all the necessary equipment to **Manufacture, Supply, and Deliver Spare Parts for Pulverized Fuel (PF) Burners.**
- The *Contractor* must possess all the necessary equipment to **Manufacture, Supply, and Deliver Spare Parts for Pulverized Fuel (PF) Burners**

1.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation with regards to the **Manufacture, Supply, and Deliver Spare Parts for Pulverized Fuel (PF) Burners** at Camden Power Station. The TET members are listed and appointed in this document along with their responsibilities. The document also describes the acceptable and unacceptable risks and qualifications and/or conditions. Once the Technical Evaluation Strategy is authorised no changes will be made to the evaluation criteria without appropriate authorisation.

1.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and Technical Evaluation Team (TET) member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

1.1.2 Applicability

This document is applicable all interested parties with regards to **Manufacture, Supply, and Deliver Spare Parts for Pulverized Fuel (PF) Burners** at Camden Power Station.

1.1.3 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.1.4 Normative

[1] 240-168966153: Generation Technical Tender Evaluation Procedure

[2] 32-1034: Eskom Procurement Policy

[3] 240-106027729: Burner Manufacturing standard

[4] 240-106628253: ESKOM Welding standard

1.1.5 Informative

N/A

1.2 DEFINITIONS

1.2.1 Classification

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

1.3 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
TET	Technical Evaluation Team

1.4 ROLES AND RESPONSIBILITIES

As per 240-168966153 Generation Technical Tender Evaluation Procedure

1.5 PROCESS FOR MONITORING

N/A

1.6 RELATED/SUPPORTING DOCUMENTS

Manufacturing drawings – Attached on the scope (see scope for all the drawings)

1. Core air tube assembly (Nozzle).
2. Core air II – Nozzle Tip.
3. Secondary Air Tube Assembly.
4. PF Tube assembly.
5. PF Burner Tip.
6. PF Burner Scroll.
7. Secondary Air Front flange.
8. Secondary Air movable cylinder.

2. TENDER TECHNICAL EVALUATION STRATEGY

2.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

Table 1: Qualitative Evaluation Criteria Scoring Table

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.		

2.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Velaphi Vilakazi	Boiler Senior Engineer
TET 2	Thabo Aphane	Common Plant Senior Engineer
TET 3	Nkosinathi Khumalo	Maintenance supervisor
TET 4	Raymond Rampedi	Boiler system Engineer
TET 5	Sipho Ndlovu	Maintenance supervisor - Welding

2.3 ADDITIONAL TET MEMBERS

TET number	TET Member Name	Designation
TET 6	Lettie Botha	Specialist

NB: All appointed members have signed all required documentation to partake in this transaction as appointed members. Any member(s) with a direct conflict of interest with any supplier when tender returnable documents received for technical evaluation will be immediately removed from the technical evaluation team. The member(s) will not participate in the technical evaluation any further. It will be indicated on the assessment sheets and support with the declaration of interest form.

Replacement of Technical evaluation members can be done if formal appointment letter is issued with signature of appointment by same person and/or person in his/her position as the initial appointment letters. Reason for replacing a member must be clearly stated on appointment letter. If it is acting person, an acting letter must be accompanied by appointment letter.

Not more than 50% of current technical evaluation team can be substituted. Changes to TET members will be done as an amendment of this strategy and will not require a revision of it.

2.4 MANDATORY TECHNICAL EVALUATION CRITERIA

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Manufacturing Workshop ownership	Provide demonstrable evidence that the bidder has access to a manufacturing workshop. - Provide lease agreement or any form of verifiable proof of workshop ownership.	To ensure the bidder has the required infrastructure to manufacture the burner spares
2.	Technical experience in manufacturing steel components.	• Submit 3 (three) orders for manufacturing of big (Over 100kg) stainless steel components (preferably for a Power generation industry). • Description of the work performed. • Signed Completion Certificate with: ➢ Name of company where project was executed. ➢ Detailed Project Description (Clear scope of work done) ➢ Contact person. **NB**. Reference list must be verifiable.	This will demonstrate that the service provider has satisfactorily done similar work previously.
3.	All items quoted + letter of intent	- All items quoted as per BOQ (Supplier need to quote all lines on each BOQ section. i.e., if all lines on section 1 of BOQ are quoted that will be a **YES**. If lines on other sections of BOQ are not quoted, that will mean the supplier is not going to be evaluated further. - Letter stating that all welding components will be manufactured in the workshop of the supplier.	To ensure that the supplier can supply all the required spares.

2.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	**KICK IN**	**AVERAGE**	**CEILING**
CRITERIA 1: TECHNICAL		**40**		**0=0%**	**2=40%**	**4=80%**	**5=100%**
1.1 Manufacturing Workshop Layout and Capacity Demonstration.	Provide demonstrable evidence that the workshop facility is set up for the safe execution of the following activities: ➢ Welding ➢ Cutting ➢ Steel rolling ➢ Surface blast cleaning ➢ Painting ➢ Segregation area (quarantine) for items subjected to non – conformance.		40	Workshop setup allows safe and effective execution of less than 3 activities listed in this section	Workshop setup allows safe and effective execution of 3 activities listed in this section.	Workshop setup allows safe and effective execution of 4 or 5 activities listed in this section. Can only get 4 if welding is included in the workshop layout.	Workshop setup allows safe and effective execution of all activities listed in this section
1.2 The contractor must own manufacturing tools.	Contractor to submit the following documents: • Letter of intent – clearly stating which tools the company has, to use in executing the scope (include photos and serial numbers).		40	Totally Deficient or Non-responsive	Enough tools for cutting only.	Enough tools for cutting and Welding only.	Enough tools for cutting and welding and rolling.
1.3	Technical experience in manufacturing carbon steel and stainless components. • Submit 3 orders/contracts for manufacturing of big carbon steel components AND 3 orders/contracts for manufacturing stainless steel		20	No contracts	1 carbon steel Contract AND 1 stainless steel contract	2 carbon steel Contracts AND 2 stainless steel contracts	3 carbon steel Contracts AND 3 stainless steel contracts

	components (preferably for a Power generation industry). • Description of the work performed. • Signed Completion Certificate with: ➢ Name of company where project was executed. ➢ Detailed Project Description (Clear scope of work done) ➢ Contact person. **NB**. Reference list must be verifiable.						
CRITERIA 2: Procedure & Method Statement		**30**					
2.1. Method Statement	Detailed method statement on manufacturing steel components. • Submit method statement for one previous work, manufacturing high grade steel components.		50	Totally Deficient or Non-responsive	Method Statement submitted but not for previous work.	Method Statement submitted sufficiently detailed and clearly showing all manufacturing steps for previous work. Not signed off by client.	Method Statement submitted sufficiently detailed and accepted by client(signed). Clearly showing all manufacturing steps for previous work.
2.2. QCP/ITPs for similar previous work completed.	Contractor to submit the following documents: • Submit previously signed Quality Control Plan (QCP/ITP) For manufacturing steel component.		50	Totally Deficient or Non-responsive	QCP Not for previous work.	QCP for previous work but only signed by company representative and not by client.	QCP for previous work and signed by both client and company QC.
CRITERIA 3: Human Resource Experience		**30**					

3.1 **Welders – Carbon steel**	Submit a detailed CV for 2 welders with **carbon steel** welding experience with 3 years relevant experience with traceable references. • Copies of welding certificates must be certified (certification must be within 3 months of tender closing)		25	Totally Deficient or Non-responsive	One year experience submitted.	Two years' experience submitted	Three years' experience submitted
3.2. **Welders – Stainless steel**	Submit a detailed CV for 2 welders with **Stainless steel** welding experience with 3 years relevant experience with traceable references. Copies of welding certificates must be certified (certification must be within 3 months of tender closing)		25	Totally Deficient or Non-responsive	One year experience submitted.	Two years' experience submitted	Three years' experience submitted
3.3 **Boiler Makers X2**	Submit a detailed CV of a boiler maker with 3 years relevant experience with traceable references. • Copies of Boiler maker certificates must be certified (certification must be within 3 months of tender closing)		25	Totally Deficient or Non-responsive	One year experience submitted.	Two years' experience submitted	Three years' experience submitted
3.4 **Quality inspectors (QC)**	Must have **QC Certification (**SAIW Welding Inspector Level 2) and Total Quality Management Program (TQMP) or equivalent. minimum 3 years' experience. • Copies of certificates must be certified (certification must be within 3 months of tender closing)		25	Totally Deficient or Non-responsive	One year experience submitted.	Two years' experience submitted	Three years' experience submitted

3.5. **Supervisor x2**	To be in possession of Mechanical Fitter Trade Test plus 2 years' experience after obtaining trade test. • Submit a detailed CVs with certified copies of the Qualifications (Trade Test) ***AND*** 3 years relevant experience with traceable references.		25	Totally Deficient or Non-responsive	One year experience submitted.	Two years' experience submitted	Three years' experience submitted

2.6 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**
1 to 3	X	X	X	X	X	
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**
1 to 3	X	X	X	X	X	

X – Mandatory

2.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.7.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	Sub-contracting some of the manufacturing activities

Table 5: Unacceptable Technical Risks

Risk	Description
1.	Welding cannot be subcontracted.
2.	Not conforming to welding standard

2.7.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	

3. REVISIONS

Date	Rev.	Compiler	Remarks
January	01	V Vilakazi	Original Issue

4. DEVELOPMENT TEAM

- Velaphi Vilakazi
- Lettie Botha

5. ACCEPTANCE

This document has been seen and accepted by:

Name	Designation	Signatures
Lettie Botha	Chief Engineer/Specialist