

 Eskom	Report	Medupi Power Station
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Title: **Medupi Power Station
Tender Technical
Evaluation Strategy –
Supply for FW and HP
Heating Valves**

Unique Identifier: **241-20221142**

Alternative Reference Number:

Area of Applicability: **Medupi Power Station**

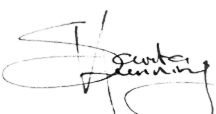
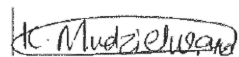
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1. Introduction

Medupi Power Station is establishing a spare supply contract for High Pressure (HP) valves (OEM: High Pressure Valves – local agent: Valve and Automation South Africa) to be used in the feedwater and HP heating systems. An invitation will be issued to prospective suppliers to participate in the tendering process for the contract. This document sets out the method and criteria that will be used to evaluate the tenderers for the supply of high-pressure valves documented in the works instruction (240-141834272 - Medupi Power Station HP Valves Spares Scope of Work).

2. Supporting Clauses

2.1 Scope

The document describes the acceptable and unacceptable risks and qualifications, and/or conditions. The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

No changes will be permitted to the evaluation criteria once the Engineering Group Manager approves the Technical Evaluation Strategy.

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 responsibilities for tender technical evaluation. The technical evaluation strategy is a basis for the tender technical evaluation process.

2.1.2 Applicability

This document applies to the Tender Evaluation Team for Medupi Power Station HP Valves Spares Scope of Work (240-141834272).

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] ISO 9001 Quality Management Systems.
- [2] 240-48929482: Tender Engineering Evaluation Procedure
- [3] 32-1034: Eskom Procurement and Supply Chain Management Procedure
- [4] 240-128557196 Procurement Standard of High-Pressure and Temperature Valves in Coal-Fired Power Station

2.2.2 Informative

- [5] 240-141834272: Medupi Power Station HP Valves Spares Scope of Work

2.3 Definitions

2.3.1 Disclosure Classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law or discretionary).

2.4 Abbreviations

Abbreviation	Description
BOM	Bill of Materials
BOQ	Bill of Quantity
MMD	Mechanical Maintenance Department
IED	Intelligent Electronic Device
ISO	International Standard Organisation
HP/HT	High Pressure and High Temperature
LP	Low Pressure
N/A	Not Applicable
SOW	Scope of Work
TET	Technical Evaluation Team

2.5 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure.

2.6 Process for monitoring

Not Applicable.

2.7 Related/Supporting Documents

Not Applicable.

3. Document Content

This section details the methodology to be used by Eskom in scoring the "Technical" category of the tender evaluation. The appointed Eskom TET members will perform this evaluation exercise.

The evaluation of the tenders will be based on the Tenderer's ability to meet the technical requirements. The evaluation consists of mandatory criteria and qualitative criteria. The results of the mandatory evaluation will be "Compliant" or "Non-Compliant."

The qualitative evaluation shall apply a weighted scorecard approach to evaluate the tenders against the specifications and Eskom's requirements. Table 1 below shall be used for the scoring method.

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.

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SCORE	PERCENTAGE	DESCRIPTION
2	40	NON-COMPLIANT - Does not meet the technical requirement(s) AND/OR; - Unacceptable technical risk(s) AND/OR; - Unacceptable exceptions AND/OR; - Unacceptable conditions.
0	0	DEFICIENT OR NON-RESPONSIVE

3.1 Technical Evaluation Threshold

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%. This score applies to the qualitative evaluation criteria.

3.2 Mandatory Evaluation Criteria

All tenders will need to pass the mandatory section. The mandatory evaluation will be on a YES/NO basis as to whether the criteria are met. An assessment of "NO" against the criteria will immediately disqualify the submission, and no further assessment will be made. Refer to Table 3 for mandatory requirements.

3.3 Qualitative Evaluation

Table 2: Qualitative Evaluation Criteria

Technical (100%)	
3.3.1 Previous Work Experience	20%
3.3.2 Technical Expertise	45%
3.3.3 Quality of Submitted Documents	15%
3.3.4 Delivery	20%
TOTAL (100%)	
The overall minimum threshold for qualification (80%)	

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4. Mandatory Technical Evaluation Criteria

Table 3: Mandatory Technical Evaluation Criteria

Criteria Ref #	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for the use of Criteria
1.	Declaration of conformity assessment certificate from the manufacturer showing valve capacity production	The Tenderer shall provide the declaration of conformity from the manufacturer, certified by the approval authority, describing the types of valves being designed by the manufacturer.	Determine the nominal pressure and nominal diameters of valves.

5. Qualitative Technical Evaluation Criteria

Notes:

- The scores for this section will be allocated as per Table 1.
- The BOQ is listed in annexure A of this document.
- The information/documents provided by the Tenderer shall be subjected to verification processes.

5.1 Technical Scoring Criteria

Table 4: Technical Scoring Criteria

Criteria Ref #	Description		Weighting (%)	Sub-Weighting (%)	Reference to Technical Specification /Tender Returnable	Scoring Criteria
1.	Previous Work Experience		20			5 = 100% COMPLIANT - The letter provided proof that the OEM has permitted the Tenderer to supply and distribute their valves. - When 6 out of 6 items as per the BOQ are covered 4 = 80% COMPLIANT WITH ASSOCIATED QUALIFICATIONS - The letter provided proof that the OEM has permitted the Tenderer to supply and distribute their valves. - When 4 out of 6 items as per the BOQ are covered 2 = 40% NON-COMPLIANT - Letter submitted but not satisfactory - When fewer than 4 items are covered 0 = Totally deficient OR Non-Response
	1.1	The Tenderer shall Have an OEM appointment letter or permission letter, or An agreement letter with the proposed Valve's OEM is listed on The BOQ by the End User.		20%	The Tenderer shall be a technically suitable supplier who should be utilised for the supply of high-pressure valves. The Tenderer shall have an agreement with the proposed OEM for all items listed on the BOQ as proof.	
2.	Technical Expertise		45			
	2.1	The Tenderer shall Have the ability to provide technical support for high-pressure valves listed On the BOQ/similar.		45%	The Tenderer is required to demonstrate the ability to understand in detail the application and functionalities of high-pressure valves listed on the BOQ/similar Applications.	5 = 100% COMPLIANT The Tenderer shall provide the previously certified 3 copies of the PO/contract as proof, and those copies should include the following information: - Name of the company where similar spares were supplied to and accepted. - Value of the PO/contract. - Contact person and contact details (reference

Criteria Ref #	Description	Weighting (%)	Sub-Weighting (%)	Reference to Technical Specification /Tender Returnable	Scoring Criteria
	Applications. In case the Tenderer is not the OEM, they should provide an agreement or prove that the OEM will assist in case technical support is required. Tenderers shall have a minimum of 2 orders with 2 or more verifiable references for the supply and delivery of high-pressure valves listed in the BOQ.			Tenderers should provide the following information. - Copies of the Datasheet and drawings for each item listed on the BOQ/similar application, including test certificates and drawings. - In case the Tenderer is not the OEM, they should provide an agreement or prove that the OEM will assist in case technical support is required The Tenderer shall provide the previously certified copies of the PO/contract as proof, and those copies should include the following information: - Name of the company where similar spares were supplied to and accepted - Value of the PO/contract. - Contact person and contact details (reference	- Proof that the tenderer has a complete understanding of the application and functionalities of the valves as per the BOQ/similar application - In case the Tenderer is not the OEM, they should provide an agreement or prove that the OEM will assist in case technical support is required 4 = 80% COMPLIANT WITH ASSOCIATED QUALIFICATIONS 2 of 3 PO certified - Proof that the tenderer has a full understanding of the application and functionalities of the valves as per the BOQ/similar application - In case the Tenderer is not the OEM, they should provide an agreement or prove that the OEM will assist in case technical support is required 2 = 40% NON-COMPLIANT 1 of 3 PO certified - Proof that the tenderer has a full understanding of the application and functionalities of the valves as per the BOQ/similar application - In case the Tenderer is not the OEM, they should provide an agreement or prove that the OEM will assist in case technical support is required 0 = Totally deficient OR Non-Response

Criteria Ref #	Description	Weighting (%)	Sub-Weighting (%)	Reference to Technical Specification /Tender Returnable	Scoring Criteria
3.	Quality of Submitted Documents	15	15%		
3.1	Tenderers shall be able to perform QC on high-pressure valves listed on the BOQ/similar application.			The Tenderer should demonstrate the criticality of handling the spares listed in the BOQ/similar application. Tenderers should provide the following information - Qualifications of tender employees qualified to do the QC on High-Pressure valves - Type test certificates of components listed on BOQ/similar application	5 = 100% COMPLIANT - Meet technical requirement(s)/AND; - Qualification submitted - Proof that the Tenderer is aware of the handling of high-temperature & high-pressure manual gate and globe valves. 4 = 80% COMPLIANT WITH ASSOCIATED QUALIFICATIONS - Proof that the Tenderer is aware of the handling of high-temperature & high-pressure manual gate and globe valves. 2 = 40% NON-COMPLIANT - Qualification submitted 0 = Totally deficient OR Non-Response
3.2	Data Sheets			Relevant documentation - Data sheets submitted with cross-referencing of the correct like-for-like product for all spares to be supplied on data sheets - Letter indicating the duration of warranty for the HP valves.	5 = 100% COMPLIANT - Meet technical requirement(s)/AND; - Qualification submitted - Proof that the Tenderer is aware of the handling of high-temperature & high-pressure manual gate and globe valves. 4 = 80% COMPLIANT WITH ASSOCIATED QUALIFICATIONS - Proof that the Tenderer is aware of the handling of high-temperature & high-pressure manual gate and globe valves.

Criteria Ref #	Description		Weighting (%)	Sub-Weighting (%)	Reference to Technical Specification /Tender Returnable	Scoring Criteria
						2 = 40% NON-COMPLIANT Qualification submitted 0 = Totally deficient OR Non-Response
4.	Delivery		20			
	4.1	The Tenderers shall provide the estimated delivery timelines of each critical spare listed on the BOQ/similar application from the moment the PO is received.		20%	The Tenderer is to demonstrate the ability to supply spares within a set timeline of less than 12 weeks. Provide a delivery schedule for all critical spares listed on the BOQ/similar application.	5 = 100% COMPLIANT - Meet technical requirement(s)/AND; - When all critical spares are to be delivered within 12 weeks. 4 = 80% COMPLIANT WITH ASSOCIATED QUALIFICATIONS - When all critical spares are to be delivered between 13 and 16 weeks, 2 = 40% NON-COMPLIANT - When all critical spares are to be delivered within 16 weeks or more weeks, 0 = Totally deficient OR Non-Response
			TOTAL: 100%			

6. Technical Evaluation Members

6.1 Tet Members Details

Table 5: Technical Evaluation Members

TET number	TET Member Name	Designation
TET 1	Dipolelo Matjipa	System Engineer
TET 2	Sarita Henning	System Engineer
TET 3	Mahlane Letselane	Turbine Maintenance Manager
TET 4	Siphesihle Noguda	Senior Supervisor MMD
TET 5	Aubrey Mokgotho	Assistant Officer - Materials Management

6.2 Tet Members' Responsibilities

Table 6: TET Members' Responsibilities

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

7. Foreseen Acceptable/Unacceptable Qualifications

7.1 Risk

Table 7: Acceptable Technical Risks

Risk	Description
1	No foreseeable risk is accepted unless it meets the minimum threshold.

Table 8: Unacceptable Technical Risks

Risk	Description
1	Failing Mandatory Criteria

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8. Authorisation

This document has been seen and accepted by:

Name & Surname	Designation
Mahlane Letselane	Turbine Maintenance Manager
Siphesihle Noguda	Senior Supervisor MMD
Aubrey Mokgotho	Assistant Officer - Materials Management

9. Revisions

Date	Rev.	Compiler	Remarks
March 2025	1	Dipolelo Matjipa	Tender Evaluation Criteria for High-Pressure valves
December 2025	2	Dipolelo Matjipa	Tender Evaluation Criteria for High-Pressure Valves: Criteria changes

10. Development team

N/A

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11. BOQ

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB31 AA401 LAB32 AA401 LAB33 AA401 LAB31 AA402 LAB32 AA402 LAB33 AA402 LAB40 AA401 LAB40 AA402 LAB71 AA401 LAB72 AA401 LAB71 AA402 LAB72 AA402	Forged Steel Globe Valve	VALVE, GLOBE: VALVE SIZE: 20 MM; DESIGN PRESSURE: PN640; DESIGN TEMPERATURE: 295 DEG C; FACE TO FACE LENGTH: 137 MM; OPERATED: MANUAL; CONNECTION: BUTT WELD; BODY MATERIAL: 13CRMO4-5; TRIM: SEAT STELLITED; SOFTGOODS: STEM PACKING GRAPHITE; APPLICATION: HP HEATER VENT VALVES; TYPE: FLOW; SYSTEM. DESIGN PRESSURE:335 BAR	618822	76	12	140

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB31 AA404 LAB32 AA404 LAB33 AA404 LAB31 AA411 LAB32 A411 LAB33 AA411 LAB31 AA412 LAB32 A412 LAB33 AA412 LAB50 AA402 LAB51 AA402 LAB52 AA402 LAB51 AA405 LAB52 AA405 LAB51 AA406 LAB52 AA406 LAB51 AA407 LAB52 AA407 LAB51 AA408 LAB52 AA408 LAB51 AA409	Forged Steel Throttle Valve	VALVE, GLOBE: VALVE SIZE: DN 40; DESIGN PRESSURE: PN640; DESIGN TEMPERATURE: 295 DEG C; FACE TO FACE LENGTH: 192 MM; OPERATED: MANUAL; CONNECTION: BUTT WELD; BODY MATERIAL: 13CRMO4- 5; TRIM: SEAT STELLITED; SOFTGOODS: PACKING GRAPHITE; APPLICATION: HP VALVES; SYSTEM DESIGN PRESSURE: 335 BAR	656083	180	30	360

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB41 AA401 LAB42AA101	Forged Steel Gate Valve	VALVE, GATE: VALVE SIZE: DN20; TYPE: FORGED STL; DESIGN PRESSURE: PN640; DESIGN TEMPERATURE: 294 DEG C; CONNECTION: BUTT WELD; FACE TO FACE LENGTH: 137 MM; BODY MATERIAL: 13CRM04- 5; TRIM: SEAT STELLITED; OPERATED: MANUAL; SYSTEM DESIGN PRESSURE: 335 BAR	671081	12	2	24

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB40AA317 LAB40AA318 LAB51AA301 LAB51AA302 LAB51AA303 LAB51AA304 LAB51AA305 LAB51AA306 LAB52AA301 LAB52AA302 LAB52AA303 LAB52AA304 LAB52AA305 LAB52AA306 LAB61AA301 LAB61AA302 LAB62AA301 LAB62AA302 LAB71AA301 LAB71AA302 LAB72AA301 LAB72AA302 LAB73AA301 LAB40AA317 LAB40AA318 LAB51AA301 LAB51AA302 LAB51AA303 LAB51AA304 LAB51AA305 LAB51AA306 LAB52AA301 LAB52AA302 LAB52AA303 LAB52AA304 LAB52AA305 LAB52AA306 LAB61AA301 LAB61AA302 LAB62AA301 LAB62AA302 LAB71AA301 LAB71AA302 LAB72AA301 LAB72AA302 LAB73AA301 LAB73AA302 LAB73AA303 LAB73AA304	Forged Steel Globe Valve	VALVE, GLOBE: VALVE SIZE: DN 15; DESIGN PRESSURE: PN640; DESIGN TEMPERATURE: 295 DEG C; FACE TO FACE LENGTH: 132 MM; OPERATED: MANUAL; CONNECTION: BW; BODY MATERIAL: 13CRM04-5; TRIM: SEAT STELLITED GR6; SOFTGOODS: STEM PACKING GRAPHITE; APPLICATION: HP SYSTEM; SYSTEM DESIGN PRESSURE: 335 BAR	656072	288	48	576

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB31AA403 LAB32AA403 LAB33AA403 LAB50AA401 LAB51AA401 LAB52AA401 LAB51 AA403 LAB52AA403	Forged Steel Gate Valve	VALVE, GATE: VALVE SIZE: DN40; TYPE: PARALLEL SLIDE; DESIGN PRESSURE: PN400; DESIGN TEMPERATURE: 295 DEG C; CONNECTION: BUTT WELD; FACE TO FACE LENGTH: 203 MM; BODY MATERIAL: 15NICUMONB5; TRIM: SEAT STELLITED; OPERATED: MANUAL; APPLICATION: HP VALVES; REFERENCE NO: 20131033; BONNET. 15NICUMONB5; DISC AND SEAT RING 13CR + HF; SYSTEM DESIGN PRESSURE: 335 BAR	676962	48	8	96

KKS	Description	Material/ Additional Info	Stock Number	Total Installed (6 units)	5Y Contract MIN	5y Contract MAX
LAB71 AA403 LAB72AA403 LAB71AA405 LAB72AA405	Parallel Slide Gate Valve	VALVE, GATE: VALVE SIZE: DN 40; TYPE: GATE; DESIGN PRESSURE: PN 640; DESIGN TEMPERATURE: 207 DEG C; CONNECTION: BUTT WELD; FACE TO FACE LENGTH: 192; BODY MATERIAL: 15NICUMONB5; TRIM: BONNET 15NICUMONB5; OPERATED: MANUAL; SUPPL P/N: 20131033; HP VALVES: FORGED STEEL GATE VALVE USED FOR LAB3AA403; LAB32AA403; LAB33AA403; LAB50AA401; LAB51AA403; LAB51AA401; LAB51AA501; LAB52AA403; LAB52AA401; LAB52AA501; DN40; SYSTEM DESIGN PRESSURE: 335 BAR	656149	24	4	44