Eskom	Report	Technology

Title: **TECHNICAL EVALUATION CRITERIA FOR LV FUSES**

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PCM Reference: **Support to Commercial**

SCOT Study Committee Number/Name: **MV/LV Study committee**

Content

1. Introduction

This document has been developed to set the standard technical evaluation criteria to be used when evaluating the tender submissions. This covers the technical evaluation of the LV Fuses for Eskom. It has clauses developed to address various aspects required to perform the technical evaluation. It has been developed based on the Eskom specifications or standards.

This document contains both the evaluation criteria used for the documentation evaluation and factory evaluation. In addition it contains the questions which are required for technical evaluation purposes.

2. Supporting clauses

2.1 Scope

The document covers the criteria for the evaluation of the LV Fuses Eskom Holdings SOC (Ltd).

2.1.1 Purpose

The document addresses the standard documented technical evaluation criteria to be used when evaluating the tender submissions for the LV Fuses with the Eskom Holdings SOC (Ltd) requirements and it is applicable to all the technical evaluations for the related tender submissions.

2.1.2 Applicability

This document shall apply for Eskom Holdings Limited and Distribution division wherein Eskom has a controlling interest.

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] SANS 60269-1: General requirements

[2] SANS 60269-2: Supplementary requirements for fuses for use by authorised persons (fuses mainly for industrial application) — Examples of standardized systems of fuses A to K

[3] D-DT-3181:LV Fuses

[4] 240-48929482: TENDER TECHNICAL EVALUATION PROCEDURE

2.2.2 Informative

[5] 32-9: Definition of Eskom documents.

[6] 32-644: Eskom documentation management standard.

[7] 474-65: Operating manual of the Steering Committee of Technologies (SCOT).

[8] 240-48929482: Tender Technical Evaluation Procedure

2.3 Definitions

2.3.1 General

Definition	Description
Eskom Evaluating Representative(s)	The person(s) appointed by Eskom to perform the evaluation of tender submission(s) in line with the Eskom requirements.

2.3.2 Disclosure classification

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

2.4 Abbreviations

Abbreviation	Description
LV	Low Voltage
SANS	South African National Standard

2.5 Roles and responsibilities

All Eskom employees and/or appointed bodies involved in the procurement of LV Fuses shall ensure that the project deliverable meets the requirements of these technical evaluation criteria. Any deviation from these requirements shall constitute non-conformance, unless it was in advance agreed to by a delegated Specialist and is based on sound engineering judgement.

All suppliers of the LV Fuses to Eskom must be conversant with the requirements of this standard, and shall comply with the requirements. No deviations will be accepted and suppliers shall ensure that they obtain clarity where required and obtain all supporting information or documents necessary to comply with this document.

2.6 Process for monitoring

The LV Fuses acceptance shall be based on fully compliant submission of documents, the factory assessment and proving manufacturing capability and capacity during factory evaluations.

2.7 Related/supporting documents

Refer to clause/ section 2.2.

3. Requirements

The evaluation methodology will include two main parts, namely the documentation evaluation and the factory evaluation.

3.1 Documentation Evaluation

The documentation evaluation exercise is performed by the Eskom evaluating representatives. This initial part of the evaluation starts when submissions are opened and assessed for the first time. The submitted documents will be evaluated against the evaluation criteria as stated in clause 3.3 below.

Note: Manufacturers shall supply Eskom with Type Test Certificates that clearly indicate that the product concerned (product part number / code appearing on certificate) and has passed the type testing requirements to the relevant standards as specify in the Buyer's guide (D-DT-3181). Any other RELEVANT certification can also be submitted. For every fuse range a type test certificate is required.

The documentation evaluations are meant for establishing if all the key tender deliverables are met. The documentation evaluation will consist of two sections: mandatory technical evaluation requirements deliverables (Phase 1: mandatory gate-keeper), and Qualitative criteria evaluation i.e. scoring phase (Phase 2: submission requirements).

The phase 1 mandatory gate-keeper shall be assessed on a Yes/ No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against qualitative criteria.

The phase 2 (qualitative scoring criteria) is weighted evaluation criteria to reflect the relevant importance of each criterion. The minimum weighted final score (threshold) for a tenderer to be considered for a factory assessment is 70% from a technical perspective.

3.2 Submissions Verification

Verification is only performed on the submissions that have met all the mandatory technical evaluation requirements in level 1: mandatory gate-keeper requirements as stated in this document. Eskom Commercial shall make the arrangements for this verification.

The following areas shall be assessed during verification:

a) Manufacturing volume capability.

b) Material handling and storage.

c) Packaging suitable for Eskom warehouse storage up to five years.

d) Dimensions and full inspection of Fuses to SANS 60269-2

e) Marking of all items offered to SANS 60269-2

At the end of this exercise, the Eskom evaluating representative(s) list all the deviations and identified risks if any. The representative conducts a formal discussion of the deviations and risks in line with Eskom's requirements. If major discrepancies and risks are identified the supplier may be disqualified. For minor discrepancies and risks the Tenderers are given opportunity to decide whether they agree or disagree to meet Eskom requirements upon possible contract award. The action plans for resolving the discrepancies and risks will be agreed between Eskom representative(s) and the supplier.

3.3 Technical Evaluation Gate Keepers for LV Fuses Mandatory Technical Evaluation Requirements

LV Fuses technical evaluation criteria for the documentation exercise		
Phase 1 Mandatory criteria		
TASK / MEASURE		
Criteria	**Standard/clause**	**Acceptance: Yes/ No**
Copies of type test certificate submitted.	SANS 60269-2	
A proof that type test report supplied performed from an accredited facility provided.	N/A	
Time-current characteristic curves submitted or catalogue submitted		
Any one "NO" on the above the supplier will be disqualified. The Type testing should fully comply with the requirements of SANS 60269-2 in order to obtain YES under testing requirements.		

3.3.1 Technical evaluation criteria for LV Fuses– Qualitative scoring criteria

LV Fuses technical evaluation for the documentation exercise			
Phase 2 scoring/rating - (only submission that passes Phase 1)			
Type testing Weight: 50%			
Criteria	**Clause**	**Weight (%)**	**Score**
The list of Fuse ranges intended to be supplied submitted	N/A	10	
Were type tests performed in the last 10 years? Test reports submitted	SANS 60269-2	10	
Are all tests reports/certificates submitted (for all ranges intended to be supplied) and comply	Technical Criteria	30	
• For Type testing performed within the last 10 Years supplier gets 100% and loses 20 % for each additional year. • For the type test certificate or report supplier gets 100 % if all requirements as per SANS 60269-2 included.		**Total**	**/50**
Technical schedules for LV Fuses: Weight: 40%			
Criteria	**Clause**	**Weight**	**Score**
Correctness of the time-current characteristic curves or catalogue submitted for all the ranges intended to be supplied	SANS 60269-2	40	
For any incorrect time- characteristic curves 5% shall be deducted.		**Total**	**/40**
Packaging Weight: 10%			
Criteria	**Clause**	**Weight**	**Score**
Method of LV fuses packaging explained thoroughly in the submissions.	N/A	10	
		Total	**/10**

3.4 Conclusion

The technical evaluation criteria for this project are specified in clause 3.3 of this document.

4. Authorization

This document has been seen and accepted by:

Name and surname	Designation
Bheki Ntshangase	Senior Manager HV Plant

5. Revisions

Date	Rev	Compiler	Remarks
March 2019	1	Jutas Maudu	New document.

6. Development team

The following people were involved in the development of this document:

- Jutas Maudu: Senior Engineer
- Masithembe Ngcwama GOU

7. Acknowledgements

Not applicable.