



Eskom

Report

Technology

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CRITERIA FOR METERING
SEALS**

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1. Introduction

This document provides an overview of Eskom's technical requirements for an enquiry for the supply of metering seals. This document provides an overview of the requirements for the metering seals, and acts as an index and supplement to the detailed specifications which are provided.

This document defines the technical evaluation criteria that will be used in the enquiry for metering seals.

2. Supporting clauses

2.1 Scope

2.1.1 Purpose

This document provides information relating to an enquiry for the technical evaluation, acceptance and supply of metering seals for use in Eskom Distribution.

2.1.1.1 Metering seal types

The enquiry includes the following metering seal types:

Table 1: Metering Seal Types

Item	Meter Module Type	Drawing number	SAP number
1	Seals, tool-less, clear transparent, 50 per pack	D-3132 rev 7	0229551
2	Seals, tool-less, yellow transparent, 50per pack	D-3132 rev 7	0229552
3	Seals, tool-less, white transparent, 50 per pack	D-3132 rev 7	0229553
4	Seals, tool-less, orange transparent, 50 per pack	D-3132 rev 7	0229554
5	Seals, tool-less, blue transparent, 50 per pack	D-3132 rev 7	0229555
6	Seals, tool-less, red transparent, 50 per pack	D-3132 rev 7	0229556
7	Seals, tool-less, green transparent, 50 per pack	D-3132 rev 7	0229557

Preference shall be given to suppliers that can provide all of the items above and not only individual items.

2.1.2 Applicability

This document shall apply throughout the Eskom Distribution Division.

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] 240-76628631 Standard for sealing of metering equipment.
- [3] Technical requirements, questionnaires and deviation schedules (Microsoft Excel files):
 - Technical requirements for metering seals.

2.2.2 Informative

None

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2.3 Definitions

2.3.1 General

N/A

2.3.2 Disclosure classification

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

2.4 Abbreviations

N/A

2.5 Roles and responsibilities

This document defines the technical evaluation criteria that will be used by the Eskom Distribution technical evaluation team for the evaluation of metering seals.

2.6 Process for monitoring

None

2.7 Related/supporting documents

None

3. Project Timeframes and Deliverables

The technical evaluation will be conducted over two phases as follows:

3.1 Phase 1: Product A&B Schedules, Risk and Support

- Duration: 2 weeks

Suppliers / manufacturers shall be evaluated on the tender returnables (Technical schedules and Risk and Support).

3.2 Phase 2: Sample Evaluation

- Duration: 2 weeks

Only suppliers that meet the criteria set aside for phase 1 will move onto phase 2 of the technical evaluation.

The samples will be evaluated on the following:

1. Physical attributes of the seals (ferrules and wire).
2. Physical attributes of the tool-less seals.
3. Fixing mechanism of the tool-less seals.
4. Numbering and marking attributes of the tool-less seals.

4. Tender Returnables

All the tender returnables shall be provided at the close of the tender (documentation and samples).

4.1 Phase 1

Tenderers shall supply the following information:

- 1) Completed general questionnaire as listed in the Excel files for each item.
- 2) Completed technical schedules for all items tendered as listed in the Excel files for each item.

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- 3) Completed risk and support questionnaire as listed in the Excel files for each item.
- 4) Data sheets, brochures and test certificates (where applicable).

4.2 Phase 2

Tenderers shall supply the following samples with their tender submission:

- 1) Tool-less seals: 5 samples of each item tendered for.

5. Tender Evaluation (Technical)

Tender responses shall be evaluated using the methodology of the Preferential Procurement Policy Framework Act (05 of 2000). High level gatekeeper criteria are applicable, represented by minimum scoring thresholds.

The technical tender evaluation will comprise of a detailed technical evaluation whereby the Product A&B schedules and the Risk and Support questionnaires are evaluated and then the sample evaluations.

The overall technical scoring shall be made up of scoring in the various sub-categories during the different phases of the technical evaluation as follows:

Table 2: Technical scoring breakdown

Technical Criteria	Weightings
Product A&B Schedules, Risk and Support (phase 1)	50
Sample Evaluation (phase 2)	50
Total	100
Minimum threshold for qualification	85

5.1 Phase 1 – Product A&B schedules and Risk and Support

Phase 1 shall be made up of scoring in two sub-categories and shall be adjudicated a score out of 100 as follows:

Table 3: Phase 1 scoring breakdown

Phase 1 - Technical sub-category	Weightings
Product A&B Schedules	60
Risk and Support	40
Total	100
Minimum threshold for qualification	85

Only suppliers that meet the minimum threshold for phase 1 will move onto phase 2 of the technical evaluation. Tenders that do not meet the minimum threshold shall be immediately excluded from further evaluation.

5.1.1 Phase 1- Technical Sub-Category: Product A&B Schedules

This section shall comprise scoring of the technical schedules. Major deviations to scored items shall be addressed in Sub-category: Risk and Support.

The A&B Schedules use a default weight of 1 for each scored item. Critical items are assigned higher weights. For example, a weight of 10 indicates that the item will count the same as ten items with weight 1. Each item will be assigned a score by the Eskom evaluation team based upon the tendered response and cross-checked with the supporting documents provided.

Table 4: Scoring of items in Technical Schedules A&B

Criteria	Score
Fully compliant - (Indicated as Y in A&B Schedules) Note: Responses which provided all the required technical information will be scored as fully compliant.	3
Partially compliant - (Indicated as P in A&B Schedules) Note: Responses which provided some of the required technical information but not all of the required information will be scored as partially compliant.	1
Non-compliant - (Indicated as N in A&B Schedules) Note: Responses which did not meet the technical requirements or where no information was provided will be scored as non-compliant.	0

The score for each item will be multiplied by its weight to obtain the total score per item. All scores for the A&B Schedule will be tallied and shall be calculated based on the maximum possible score. This will be recorded as the percentage score.

5.1.2 Phase 1 – Technical Sub-Category: Risk and Support

The Eskom technical team will evaluate the risk and support capability of the supplier / product based on the Risk and Support Questionnaire as listed in the Excel file, deviations schedules and from the non-scored components in Sub-category: Product A&B Schedules. The evaluation of the risk and support of the product / supplier shall be adjudicated a score out of 100 made up of two areas as follows:

Product Risk (60): A score derived for the product risk based on the following areas and weighted as follows:

- Installed base / time that the product has been installed (weight 25)
- Deviations from standards (weight 25)
- Ability to deliver (weight 25)
- Historical performance (weight 25)

Support (40): A score derived for support based on the following areas and weighted as follows:

- Link between supplier and manufacturer (weight 50)
- Spares holding (weight 50)

5.2 Phase 2 – Sample evaluations

The samples of the seals shall be evaluated and tested against the requirements of the respective specifications and allocated a score based on the criteria as listed for the individual seals. The scoring principals' applied to the Technical Schedules A&B shall apply to the sample evaluation.

The samples shall be adjudicated a score out of 100 with a **minimum threshold for qualification of 85 on all of the required samples**.

6. Authorization

This document has been seen and accepted by:

Name and surname	Designation
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7. Revisions

Date	Rev.	Compiler	Remarks
July 2024	2	HPD Groenewald	Removed the option for sealing ferrules
December 2016	1	HPD Groenewald	Original document

8. Development team

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

- Andre le Roux
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9. Acknowledgements

None

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