

Title: **TECHNICAL EVALUATION
CRITERIA FOR EQUIPMENT
CONTAINERS FOR AC
POWERED SITES**

Unique Identifier: **240-141785049**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Report**

Revision: **1**

Total Pages: **17**

Next Review Date: **N/A**

Disclosure Classification: **Controlled
Disclosure**

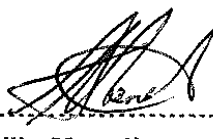
Compiled by



Jacques van der Heide
Technologist, Telecoms
T&S

Date: **5/12/2018**

Functional Responsibility



Andile Maneli
Manager substation
Engineering Civil

Date: **13-12-2018**

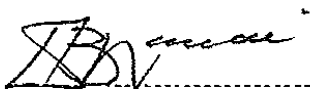
Authorized by



Phineas Tlhatlhetji
Senior Manager Substation
Engineering

Date: **18/01/2019**

Co - Compiled by



Dawie Naude
Snr. Advisor Substation
Engineering Civil

Date: **5-12-2018**

Content

	Page
1. Introduction	4
2. Supporting clauses	4
2.1 Scope	4
2.1.1 Purpose	4
2.1.2 Applicability	4
2.2 Normative/informative references	4
2.2.1 Normative	4
2.2.2 Informative	4
2.3 Definitions	4
2.3.1 General	4
2.3.2 Disclosure classification	4
2.4 Abbreviations	5
2.5 Roles and responsibilities	5
2.6 Process for monitoring	5
2.7 Related/supporting documents	5
3. Evaluation Criteria	5
3.1 Gatekeeper evaluation criteria	6
3.2 Qualitative technical evaluation criteria	6
3.3 Qualitative Technical Evaluation Criteria	7
3.4 Foreseen Acceptable / Unacceptable Technical Risk	8
3.4.1 Risks	8
4. Scores and Ranking	9
5. Product prototype demonstration	9
6. Generic Technical submission guidelines (Technical)	10
7. Authorization	10
8. Revisions	10
9. Development team	11
10. Acknowledgements	11
Annex A – Schedule of compliance to 240-89498731 Equipment container for AC powered sites.	12
Annex B – Desktop Evaluation Sheet	17

Tables

Table 1: Gatekeeper Returnable	6
Table 2: Supplementary documents	7
Table 3: Submission of technical design/drawings	7
Table 4: Submission of Information required	8
Table 5: Submission company capabilities and experience	8
Table 6: Acceptable Technical Risks	8
Table 7: Unacceptable Technical Risks	8
Table 8: Demonstration Scoring	9

ESKOM COPYRIGHT PROTECTED

Table B.1: Gatekeeper Returnable.....	17
Table B.2: Supplementary Documents.....	17
Table B.3: Qualitative Technical Evaluation	17

1. Introduction

This document covers the technical evaluation criteria for the equipment containers for AC powered sites.

2. Supporting clauses

2.1 Scope

The document contains the technical evaluation criteria to be used for evaluating the tender submissions for Equipment Containers for AC powered sites enquiry. The criteria consist of the mandatory technical requirements and qualitative criteria for the enquiry.

2.1.1 Purpose

This document sets out the technical evaluation criteria to be used for evaluating Request for Proposal (RFP) and Request for Quotation (RFQ) submissions for Equipment Containers for AC powered sites enquiry.

The criteria consist of functional technical requirements, as prescribed in 240-89498731 Equipment Containers for AC powered sites.

2.1.2 Applicability

This document shall apply in Eskom Holdings Limited Divisions.

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] 240-89498731 Equipment Containers for AC powered sites

2.2.2 Informative

- [1] 240-48929482 Tender Engineering Evaluation Procedure.
- [2] 32-1034 Eskom procurement and supply management procedure

2.3 Definitions

2.3.1 General

Definition	Description
Submission	The tender in accordance with the requirements of the enquiry
Technical evaluator	End-users, technical experts nominated by the end-user and Divisional technical functionaries with the necessary technical expertise.

2.3.2 Disclosure classification

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

2.4 Abbreviations

Abbreviation	Description
CoE	Centre of Excellence
TET	Technical Evaluation Team
SME	Subject Matter Expert
RFP	Request for Proposal
RFQ	Request for Quotation

2.5 Roles and responsibilities

Procurement: Enquiry Process Owner

Technical Evaluation team (TET): The delegated engineers / technical specialists who are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy.

2.6 Process for monitoring

Not Applicable.

2.7 Related/supporting documents

Not applicable.

3. Evaluation Criteria

The evaluation methodology has Two (2) main focus points:

Gatekeeper evaluation criteria

- Schedule of compliance to specification.
- Submission of supplementary documents.

Qualitative technical evaluation criteria

- Supplementary technical designs /drawings documentation.
- Supplementary information.
- Company capabilities and experience.

A desktop evaluation will be performed to assess a supplier's capability to enter into a contract with Eskom. This report and any actions that are listed or recommended as a result of the assessments are by no means a confirmation or guarantee that any contract will be entered into with Eskom.

Any actions undertaken by a supplier, as a consequence of this report, are for the supplier's account. Any liability for the said actions undertaken by the supplier is not transferrable to Eskom, in any way.

The evaluation team has no authority or responsibility in the decision taken by Eskom with respect to contracting for a product or service.

Any statements, intensions, and/or actions expressed by the evaluation team during and after the assessment shall not be interpreted as the awarding of a contract and does not constitute any liability to Eskom with regard to contract placement or post-contract performance guarantees.

3.1 Gatekeeper evaluation criteria

This part of the evaluation starts when submissions are opened for the first time.

The technical evaluation team will go through the returned submissions.

The first level of evaluation will be to ensure that the following are submitted:

- A completed Schedule of Compliance (Annexure A in this document) with reference to 240-89498731 Equipment Containers for AC powered sites standard.
- All supplementary technical documentation and information as asked in the qualitative technical evaluation criteria.

Note: A NO response at this stage will automatically stop any further evaluation.

Table 1: Gatekeeper Returnable

Returnable documents:	Yes	No	Comments
Mandatory documents (Annexure A)			
Supplementary documents			

3.2 Qualitative technical evaluation criteria

Supplementary technical designs /drawings documentation:

The following supplementary technical documents must be submitted to be used in the qualitative process

- Technical design drawings of container construction and floor for a sample 3 x 3 m container.
- Design drawing of proposed security door Section 11 (k) in specification.
- Design drawing of proposed feeder entry panel Section 16 in specification.
- Documentation or specifications on air conditioner and duty cycle controller unit.

Supplementary information

The following supplementary information could be submitted to be used in the qualitative evaluation process.

- Material specification sheets or supplier details (Where applicable in specification)
- Quality Testing Procedures (If applicable).
- Proof of registration with any statutory and/or professional bodies (Example :Electrical: ECBSA)
- Product sample photos.

Respondent capabilities and experience

The following related information.

- Respondent, Company or sub-contractors profile documentation.
- Related experience reference documentation.

Note: A response of NO on any item will not affect the evaluation at this stage.

Table 2: Supplementary documents

Supplementary documents	Yes	No
Supplementary technical designs /drawings documentation		
1. Technical design drawings of container construction and floor for a sample 3 x 3 m container.		
2. Detailed design of proposed security door Section 11 (k) in specification		
3. Detailed design of proposed feeder entry panel Section 16 in specification.		
4. Product Specifications on air conditioner and duty cycle controller unit.		
Supplementary information		
1. Materials specifications or supplier's details.		
2. Quality test and measurement procedures		
3. Proof of registration with any statutory and/or professional bodies.		
4. Product sample photos or information brochures.		
Company capabilities and experience		
1. Company profile documentation		
2. Related experience reference documentation		

3.3 Qualitative Technical Evaluation Criteria

Respondents will be evaluated against a set of weighted evaluation criteria based on the documentation supplied.

Respondents which passed the Gatekeepers shall be adjudicated against a score out of 100%, made up of scoring as set out in the three (3) sub-sections.

The evaluation criterion has been broken down into sections and a percentage weighting has been allocated to each section.

Table 3: Submission of technical design/drawings

Criteria	Weight (%)	Score	(%)	Definition
Submission Of technical design/drawings	60	5	100	COMPLIANT Full compliance to meet technical requirement(s).
		4	80	COMPLIANT WITH DEVELOPMENT Meet technical requirement(s) with modifications to their product technical design.
		2	40	PARTIALLY COMPLIANT Complies with some technical requirement(s).
		0	0	NON- COMPLIANT Does not meet any requirement(s).

Table 4: Submission of Information required

Criteria	Weight (%)	Score	(%)	Definition
Submission of supplementary documents	30	5	100	COMPLIANT Relevant material received in every sub section.
		2	50	PARTIALLY COMPLIANT Some information material received.
		0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE No supplementary information received.

Table 5: Submission company capabilities and experience

Criteria	Weight (%)	Score	(%)	Definition
Submission of Company capabilities and experience	10	5	100	COMPLIANT Meet the expectations that the respondent can manufacture or supply the product.
		4	80	COMPLIANT WITH DEVELOPMENT Meet the expectations that the respondent can manufacture or supply the product but would need to develop or modify some processes.
		2	40	NON-COMPLIANT Respondent will have difficulty to manufacture or supply the product.
		0	0	NON-RESPONSIVE No information supplied.

3.4 Foreseen Acceptable / Unacceptable Technical Risk

3.4.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Respondent who do not have the any relevant experience of Telecommunications equipment shelters.

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Non - compliance to Mandatory Criteria of specification (Annexure A)
2.	No detailed drawing of security door section 11 (k)
3.	No detailed drawing of feeder entry panel section 16
4.	No specifications on air conditioner duty cycle controller

4. Scores and Ranking

Respondents shall be ranked according to the weighted scores obtained in Qualitative Evaluation Criteria 1 (Desktop Evaluation).

Respondents that receive a **weighted score below 80%** on desktop Qualitative Evaluation shall not be recommended for further product demonstration.

5. Product prototype demonstration

Due to the multitude of specifications in an equipment container, there is a need for a demonstration prototype unit to be constructed. The prototype unit will be a 3 x 3 m for use with sealed lead acid batteries (As referenced in Section 4 (a) in the specification). This layout should be as per the generic layout drawing that will be supplied.

Only Respondent's that have successfully passed the Qualitative Evaluation Criteria threshold will qualify for the demonstration.

Respondents shall be advised of their qualification for the demonstration.

The exact date of the visit to a demonstration unit will be negotiated with the respondent, but should not be longer than 2 months from when the request is received to the actual demonstration date.

This product demonstration section shall be scored by the technical evaluation team following a demonstration at a selected mutually suitable site in Johannesburg.

The demonstration unit shall be scored using a Schedule that will be provided to the Respondent at the same time as the notification to demonstrate.

The scoring schedule will be based on the technical specification for containers.

The items will be assigned a score by the Eskom Technical evaluation team as detailed below.

Table 8: Demonstration Scoring

Scoring for Demonstrations	Percentage
Full Compliance	100%
High Compliance	75%
Medium Compliance	50%
Low Compliance	25%
Not Compliant	0%

During the demonstration, the respondent will be required to demonstrate functionality of all installed items. Build quality and specification compliance will be carefully inspected.

In addition to the prototype, respondents have the option to include a supplementary presentation on their proposed solution. This presentation should not exceed 20 minutes.

Where the respondent is unable to demonstrate aspects called for in the specification, allowance will be made for development not exceeding the set timelines.

The supplier is to at least present a high-level plan as to the level of development work required and the expected timelines for development.

A score of 75% for the demonstration will be required to pass the product demonstration evaluation.

6. Generic Technical submission guidelines (Technical)

These guidelines have been developed to aid in the tender evaluation process for both tenderer and Eskom evaluation team. It is strongly encouraged for tenderers to comply with the following set of guidelines:

- a) Detail all answers sufficiently to give the Eskom evaluation team a clear understanding of the answer. Unclear and insufficiently detailed answers could result in items being ambiguous and misinterpreted and could result in an unfavourable score.
- b) Where a requirement asks for compliance, please respond with only one of the following:
 - 1) **Fully Comply** – this indicates full compliance to the requirement at time of tender submission
 - 2) **Fully comply with development** – this indicates that this requirement is not currently supported but shall be developed, tested, and implemented before the completion of the first trial unit [about 3 months after enquiry issue date]. The Respondent shall provide a roadmap detailing the development milestones to become fully compliant.
 - 3) **Partially comply** – this indicates that the Respondent only complies with some of the requirements in the clause.
 - 4) **Non-compliant** – this indicates that the requirement is mostly or totally not supported at present or could not be modified or developed within a time limit of 6 months after enquiry issue.
- c) Where documented evidence is requested in the schedule, the Respondent **MUST** provide valid and detailed information. Any references to supporting documentation must be valid and detailed i.e. doc name, page number and section details.
- d) Arrange the folders and subfolders into a well organised and structured hierarchy making them logical and sensible to navigate.
- e) Name any files that constitute a electronic returnable appropriately, based on the content of the document or file.
- f) Have returnable digital PDF documents searchable as far as possible. This is preferred to scanned documents that cannot be searched.
- g) Have returnable digital PDF documents include a table of contents as far as possible.

7. Authorization

This document has been seen and accepted by:

Name and surname	Designation
Cornelius Naidoo	Telecoms T&S CoE manager
Andile Maneli	Middle Manager Engineering

8. Revisions

Date	Rev	Compiler	Remarks
Jan 2019	1	J van der Heide	Second draft

9. Development team

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

- Dawie Naude
- Jacques van der Heide

10. Acknowledgements

Not applicable.

**Annex A – Schedule of compliance to 240-89498731 Equipment container for
AC powered sites.****Schedule A – Response to standard 240-89498731**

All suppliers must complete this section

Failure to complete this section in full may result in the disqualification of the tender.

Clause	Guaranteed Compliance (Yes) Non-compliance (No)	Yes/No	Clarification information (Free text)
	Equipment housing environmental specification		
3 a)			
3 b)			
3 c)			
3 d)			
	Equipment container sizing offered		
4 a)			
4 b)			
4 c)			
4 d)			
4 e)			
4 f)			
4 g)			
4 h)			
	General		
5 a)			
5 b)			
5 c)			
5 d)			
5 e)			
5 f)			
5 g)			
5 h)			
5 i)			
5 j)			
5 k)			
5 l)			
5 m)			
	Walls		

ESKOM COPYRIGHT PROTECTED

Clause	Guaranteed Compliance (Yes) Non-compliance (No)	Yes/No	Clarification information (Free text)
6 a)			
6 b)			
6 c)			
6 d)			
6 e)			
	Floors		
7 a)			
7 b)			
7 c)			
7 d)			
7 e)			
7 f)			
	Base frames		
8 a)			
8 b)			
8 c)			
8 d)			
8 e)			
8 f)			
8 g)			
8 h)			
8 i)			
	Roofs		
9 a)			
9 b)			
9 c)			
9 d)			
	Wall finish		
10 a)			
10 b)			
10 c)			
10 d)			
10 e)			
	Doors		

ESKOM COPYRIGHT PROTECTED

Clause	Guaranteed Compliance (Yes) Non-compliance (No)	Yes/No	Clarification information (Free text)
11 a)			
11 b)			
11 c)			
11 d)			
11 e)			
11 f)			
11 g)			
11 h)			
11 i)			
11 j)			
11 k)			
	Overhead racking		
12 a)			
12 b)			
12 c)			
12 d)			
	Earthing and bonding		
13 a)			
13 b)			
13 c)			
	Equipment stand and IDF gland plate		
14 a)			
14 b)			
14 c)			
	Ventilation		
15 a)			
15 b)			
15 c)			
15 d)			
15 e)			
15 f)			
15 g)			
15 h)			
15 i)			

Clause	Guaranteed Compliance (Yes) Non-compliance (No)	Yes/No	Clarification information (Free text)
15 j)			
15 k)			
15 l)			
15 m)			
15 n)			
15 o)			
15 p)			
15 q)			
15 r)			
	Feeder entry panel		
16 a)			
16 b)			
16 c)			
16 d)			
	Electrical		
17 a)			
17 b)			
17 c)			
17 d)			
17 e)			
17 f)			
17 g)			
17 h)			
17 i)			
17 j)			
	Battery room compliance to SANS standards		
18 a)			
18 b)			
18 c)			
18 d)			
18 e)			
18 f)			
18 g)			
18 h)			

Clause	Guaranteed Compliance (Yes) Non-compliance (No)	Yes/No	Clarification information (Free text)
	Smoke detector		
19 a)			
19 b)			
	Container Installation		
20 a)			
20 b)			
	Special application 2x2x2.5 m Container		
21 a)			
21 b)			
21 c)			
21 d)			
21 e)			
21 f)			
21 g)			
21 h)			
21 i)			
21 j)			

Annex B – Desktop Evaluation Sheet.**Respondent details**
.....**Table B.1: Gatekeeper Returnable**

Returnable documents:	Yes	No	Comments
Mandatory documents (Annexure A)			
Supplementary documents			

Table B.2: Supplementary Documents

Supplementary documents	Yes	No
Supplementary technical design /drawing documentation		
5. Technical design drawings of container construction and floor for a sample 3 x 3 m container.		
6. Detailed design of proposed security door Section 11 (k) in specification.		
7. Detailed design of proposed feeder entry panel Section 16 in specification.		
8. Product Specifications on air conditioner and duty cycle controller unit.		
Supplementary information		
5. Materials specifications or supplier's details.		
6. Quality test and measurement procedures		
7. Proof of registration with any statutory and/or professional bodies.		
8. Product sample photos or information brochures.		
Company capabilities and experience		
3. Company profile documentation.		
4. Related experience reference documentation.		

Table B.3: Qualitative Technical Evaluation

Criteria	Weight (%)	Score	Table assigned % value	Calculated weighted result (%)	Formula
Submission of Supplementary technical design / drawing documentation.	60				Score % x 60%
Submission of supplementary information.	30				Score % x 30%
Submission of Company capabilities and experience.	20				Score % x 10%
Totals	100%				Added totals

ESKOM COPYRIGHT PROTECTED