Eskom	Standard	Group Technology

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Content

Revision history

This revision is the original document.

Date	Rev.	Compiled By	Paragraph	Remarks
Feb 2016	0	J Maudu		New official document
May 2017	1	J Maudu		Document updated

Acceptance

This document has been seen and accepted by:	
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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 on the split meter readyboard for Eskom. The document has annexures developed to address various aspects required to perform the technical evaluation. It has been developed based on the Eskom split meter readyboard equipment specifications.

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

.Keywords

Readyboard, cable glands, evaluation, standard and factory assessment

1 Scope

The document covers the criteria for the evaluation of split meter readyboard within Eskom Holdings SOC (Ltd). The document addresses the standard documented technical evaluation criteria to be used when evaluating the tender submissions for readyboard in line with the Eskom Holdings SOC (Ltd) requirements and it is applicable to all the technical evaluations for the related tender submissions.

2 References

2.1 Normative References

2.1.1 South African national document(s):

Document Number	Document Title	Preparer / Author	Revision or Date of Issue
SANS 1619	Electricity distribution small power distribution units(readyboards) for single-phase 230V service connections	SABS	Current

2.1.2 Eskom national document(s):

Parties using this document shall apply the most recent edition of the documents listed below

Document Number	Document Title	Preparer / Author	Revision or Date of Issue
240-114137654	SPECIFICATION FOR SMALL POWER DISTRIBUTION UNITS FOR SPLIT PREPAYMENT METERING (READYBOARD) FOR SINGLE-PHASE 230V SERVICE CONNECTION STANDARD	ESKOM	Current
D-DT-3176	READYBOARD,SPLIT METER 2x16A SKTS	ESKOM	Current

3 Definitions and abbreviations

3.1 Definitions

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

3.2 Abbreviations

LV	Low Voltage
SPDU	Small Power Distribution Unit
MCB	Miniature Circuit breaker
OEM	Original Equipment Manufacturer
ELU	Earth Leakage Unit
SHE	Safety and Health Environment

4 Requirements

This document contains the technical evaluation criteria and associated documents for split meter readyboard. The evaluation methodology will include two main parts, namely the desktop documentation evaluation and factory assessment.

4.1 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. It begins with the Level 1 (gate-keeper) and then proceeds to Level 2 (scoring method), refer to Annexures A and B.

A submission that does not meet the Level 1 gate-keeper is immediately disqualified.

Manufacturers / Suppliers that pass gatekeeper or Level 1 requirements (basic compliance) of the technical evaluation will automatically qualify for the full functional evaluation. Tenderers need to achieve a minimum of 86% score from technical evaluation to be considered for factory assessment.

4.2 Evaluation at factory

Eskom Commercial shall make the arrangements for factory visits if it is required after desktop evaluation. Manufacturers / Suppliers will be considered for factory evaluation only when a minimum of 86% score (Technical Evaluation) has been achieved.

At the factory the following will be considered:

- Evaluation through the use of checklists to verify compliance to the equipment specification and tender submission documents;
- List all the deviations, if any;
- Formal discussion of the deviations in line with Eskom's requirements. Herein, the Tenderer and their OEM are given opportunity to decide whether they agree or disagree to meet Eskom requirements within one month after factory assessment/evaluation.
- At the end, the Eskom, Tenderer/Vendor and OEM representatives sign the evaluation agreement document which continues to be used for concluding the Technical Evaluation report.
- Where the Tenderer and OEM agreed to meet Eskom requirements, all of these form part of the contract and verification afterwards.

Annex A – Split Meter Ready Board Level 1 Gatekeepers

Table A

Readyboard technical evaluation for the documentation exercise			
Level 1 GATEKEEPER			
TASK / MEASURE			
Criteria	**Standard**	**Acceptance**	**Score**
Has type test report/certificate submitted?	240-75659896 and SANS 1619	Yes/No	
Has type testing been performed at accredited Test facility?	240-75659896 and SANS 1619	Yes/No	
Are completed technical schedules B submitted?	240-75659896	Yes/No	
Are split meter readyboard manufacturer's construction drawings submitted?	----------	Yes/No	
Is a sample of manufacturer's abridged COC with NRCS number submitted? See Eskom's sample	----------	Yes/No	
A proof that cable used to connect socket outlet complies with SANS 1507	240-75659896	Yes/No	
Does ELU comply with VC 8035 and SANS 767-1? proof supplied	----------	Yes/No	
• **Should the manufacturer/ supplier fail to meet ONE of the above requirements they will be automatically disqualified**			

Annex B – Split Meter Ready Board Technical Evaluation Level 2 (scoring)

Table C1

Split meter readyboard technical evaluation for the documentation exercise			
Technical Evaluation			
Construction **Weight: 30%**			
Criteria	**Standard**	**Weight**	**Score**
Marking of the readyboard in accordance with Eskom specification/standard (drawing shown)	240-75659896	15%	
ELU and 20A MCB mounted on rails (drawing shown)	240-75659896	15%	
Product code supplied	240-75659896	15%	
Cable glands for cable entry shown on drawings	240-75659896	20%	
Cable used to connect socket outlet shall comply with SANS 1507. Proof supplied	240-75659896	25%	
Bracket rails have plastic grommets (Alternative shown)	240-75659896	10%	
• **Failure to comply with the above sub-clauses the supplier gets score of 0%.**			

Table C2

Split meter readyboard technical evaluation for the documentation exercise			
Technical Evaluation			
IP rating and type testing **Weight: 30%**			
Criteria	**Standard**	**Weight**	**Score**
Were type tests performed in the last 10 years?	240-75659896	40 %	
Proof of an accredited test facility	SANS 1619	40 %	
Degree of protection is at least IP31 (proof in the test report)	240-75659896	20 %	
• **For Type testing performed within the last 10 Years supplier gets 100% and loses 5 % for each additional year.**			

Table C3

Split meter Ready Board technical evaluation for the documentation exercise			
Technical Evaluation			
Technical schedules **Weight: 25%**			
Criteria	**Clause**	**Weight**	**Score**
Correctness of completion i.e. no "TBA", "Comply", "Noted", "supplied later" ("Noted" acceptable only when Eskom informs)	Technical schedules A & B	25 %	
Does schedule B meet Eskom schedule A requirement.	Technical schedules A & B	50 %	
Completed technical deviations (Where applicable – 100 % score is obtained where there are no deviations)	Technical schedules A & B	25 %	
NB: The technical schedules B are provided on the Annexures of the Split Meter Ready Board specification. • **5% will be deducted for each section which is not completed on schedule B.**			

Table C4

Split meter Ready Board technical evaluation for the documentation exercise			
Technical Evaluation			
Drawings **Weight: 15%**			
Criteria	**Clause**	**Weight**	**Score**
Drawing number as per submitted drawings		10 %	
Revision number as per submitted drawings		15%	
Dimensions as per submitted drawings		35%	
Detailed description provided in "Title".		10%	
Signed, dated and approved drawings		15%	
Length of cable used between the base and socket outlet as per drawing submitted.		15%	
5% will be deducted for each item that is not met.			