Eskom	Standard	Group Technology

Title: **TECHNICAL EVALUATION CRITERIA FOR SPLIT METER READYBOARD**

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Revision history

This revision is the original document.

Date	Rev.	Compiled By	Paragraph/ clause	Remarks
Feb 2016	0	J Maudu	N/A	New official document
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June 2022	3	J Maudu	4.1	Phase 2 evaluation added
August 2022	4	J Maudu	4.2	Sample verification supplier minor fixing opportunities removed, and phase replaced by category in the document.
Nov 2022	4	J Maudu	Annexure C	Factory sample evaluation score added

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/standard.

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 Sample Verification.

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 and then proceeds to Level 2 (scoring method), refer to Annexures A and B.

A submission that does not meet the Level 1 (basic compliance) is immediately disqualified.

Manufacturers that pass Level 1 requirement (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 a sample verification.

4.2 Sample verification at factory

Eskom Commercial shall make the arrangements for factory visits if required after desktop evaluation. Manufacturers will be considered for factory sample verification only when a minimum of 86% score (Desktop Technical Evaluation) has been achieved. The sample verification exercise is performed by Eskom technical representatives. Verification of a sample shall be performed using sample verification scoring method in Annexure C. A score of 86% shall be achieved during factory sample evaluation for a product to be considered compliant.

Annex A – Split Meter Ready Board Level 1

Table A

Readyboard technical evaluation for the documentation exercise			
Level 1			
TASK / MEASURE			
Criteria	**Standard**	**Acceptance**	**Score**
Type test report/certificate submitted.	240-75659896 and SANS 1619	Yes/No	
Accreditation certificate submitted (from an accredited Testing facility).	240-75659896 and SANS 1619	Yes/No	
Completed technical schedules B submitted.	240-75659896	Yes/No	
Split meter readyboard manufacturer's construction drawings submitted.	----------	Yes/No	
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 submitted,	240-75659896	Yes/No	
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

Table B1

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 & DDT 3176	15%	
ELU and 20A MCB mounted on rails (drawing shown)	D-DT 3176	15%	
Product code/part number marked on the drawing	……	15%	
Cable glands for cable entry shown on drawings	240-75659896 and D-DT 3176	20%	
Cable used to connect socket outlet shall comply with SANS 1507. Proof supplied	240-75659896	25%	
Bracket rails have plastic grommets (If alternative is submitted the technical shall evaluate and make decision)	240-75659896	10%	
• **Failure to comply with the above sub-clauses the supplier gets score of 0%.**			

Table B2

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 B3

Split meter Ready Board technical evaluation for the documentation exercise			
Technical Evaluation			
Technical schedules **Weight: 25%**			
Criteria	**Standard**	**Weight**	**Score**
Correctness of completion i.e. no “TBA”, “Comply”, “Noted”, “supplied later” (“Noted” acceptable only when Eskom informs)	Technical schedules A & B in 240-75659896	25 %	
Does schedule B meet Eskom schedule A requirement.	Technical schedules A & B in 240-75659896	50 %	
Completed technical deviations (Where applicable – 100 % score is obtained where there are no deviations)	Technical schedules A & B in 240-75659896	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 B4

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 is shown.		15%	
Failure to comply with the above sub-clauses the supplier gets score of 0%.			

Annexure C: Sample verification (scoring)

Split meter readyboard technical sample verification exercise			
Technical Evaluation			
Construction **Weight: 100%**			
Criteria	**Standard**	**Weight**	**Score**
Marking of the readyboard in accordance with Eskom specification/standard	240-75659896 & DDT 3176	15%	
1 x 63A DIN mounted earth leakage unit and 20A MCB din mounted	D-DT 3176	10%	
Product code or part number marked on the item	……	10%	
Readyboard dimension comply with DDT 3176	D-DT 3176	10%	
2 x 16 A socket outlets wired to earth leakage unit	DDT 3176	10%	
1 x 3 way neutral / earthbar and 1 x 2 way live bar (bursbar made of copper or brass – both are acceptable)	DDT 3176	10%	
Socket outlet and the base supplied mounted on bracket rails	D-DT 3176	10%	
Cable glands available and comply with Eskom standard	240-75659896 and D-DT 3176	5%	
Cable used to connect socket outlet shall comply with SANS 1507. Cable has SANS mark	240-75659896	10%	
Bracket rails have plastic grommets (If alternative is given the technical shall evaluate and make decision)	240-75659896	10%	
• **Failure to comply with the above sub-clauses the supplier gets score of 0%.**			