

Technical Evaluation Criteria for - Tan-Delta Tester

Evaluation Methodology

The evaluation will be performed by the Eskom evaluating representatives. It begins at Level 1 followed by Level 2 and then proceeds to Level 3.

Level 1 will include the desktop evaluation of the mandatory criteria. Submissions failing to meet the requirements at Level 1 will be deemed non-responsive and will be immediately disqualified and removed from further evaluation. Submissions meeting the requirements will proceed to Level 2.

Level 2 will include a desktop evaluation of the functional criteria. The submissions will be evaluated and scored. Submissions failing to meet the stipulated threshold at Level 2 will be deemed non-compliant and will be immediately disqualified and removed from further evaluation.

The Level 2 threshold is set at 80%.

Evidence required for Level 1 and Level 2 evaluations must be submitted by the tender closing date.

Submissions meeting the requirements will proceed to Level 3.

Level 3 is the sample evaluation. The Level 3 threshold is 100%. Failure to meet the threshold of 100% will be deemed non-compliant.

Deviations or deficiencies identified during functional evaluation and/or sample evaluation must be addressed prior to contract award.

Level 1 - Mandatory Criteria and Returnable

No	Criterion	Returnable
1	The product offered performs tan delta testing to confirm insulation integrity testing on large power transformers.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.
2	The product offered must be capable of producing a test voltage across the range from 25V to 15 kV.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.
3	The product is a stand-alone device and is not an add on component to another testing system.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.
4	The required software and licence are available for a three-year period.	A letter from the supplier or OEM confirming the software details (name, version), confirming the software is supplied with the purchase of the tester with a three-year licence which is included in the price of the offer.

Level 2 - Functional Criteria and Returnable

The functional threshold is set at 80%. Submissions failing meet the threshold will not proceed further.

Part marks will be allowed as indicated in the scoring column of the criteria table.

The total available points = 100%.

Criterion	Returnable	Scoring Model
Technical Testing Specification		
The test unit offers the following tan delta measurement range – 0 to 9.999 Tan delta or 0 to 999.99 percent Tan delta	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	10%
The test unit offers an accuracy level of tan delta and capacitance test measurement at ~0.005%		10%
The test unit offers a minimum output power of up to 2.5KVA		10%
The test unit offers a test frequency range of 1 Hz to 100Hz with a resolution of 0.001Hz		10%
Performance and Features		
Accommodates South African power supplies as a source of input power.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	5%
Accommodates portable generator as a source of input power.		5%
Portable – does not exceed 50kg.		5%
Compliant to EMC emissions requirements (i.e. compliant with relevant international standards).		10%
Compliant to safety requirements (i.e. compliant with relevant international standards).		10%
Compliant to mechanical requirements (i.e. compliant with relevant international standards).		5%
Components		
The following components are included with the tester, as required to complete tan-delta testing: 1. All required leads and cables. 2. All required accessories, connectors, collars, jumpers, adaptors etc 3. All required modules sensors. 4. All required safety accessories. 5. Transport case.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	Total = 20% 4% per numbered item

Level 3 - Sample Criteria and Returnable

The functional threshold is set at 100%. Submissions failing meet the threshold will not proceed further.

No part marks are allowed.

Eskom reserves the right to allow concessions related to deviations at this stage.

Note – due to the high cost of the item, Eskom reserves the right to perform the sample evaluation over MS Teams or in person, in a manner that effectively demonstrates the compliance of the product offered. The supplier will be allowed to be present to perform the required demonstrations.

Criterion	Returnable	Scoring Model
All components and parts stated in the evidence at stage 2 are supplied with the sample.	As required to complete tan-delta testing: 1. All required leads and cables. 2. All required accessories, connectors, collars, jumpers, adaptors etc 3. All required modules sensors. 4. All required safety accessories. 5. Transport case.	25%
Demonstration of tester capability wrt tan-delta testing.	Demonstration	50%
Demonstration of software wrt tan-delta testing.	Demonstration	25%