	<b>Report</b>	<b>Limlanga Cluster</b>
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Title: **TECHNICAL EVALUATION CRITERIA  
FOR SUBSTATION CONTROL PLANT  
CONSTRUCTION CONTRACTORS IN  
LIMLANGA CLUSTER**

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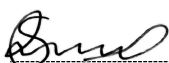
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## **1. INTRODUCTION**

This document provides an overview of Eskom LimLanga Cluster technical evaluation criteria and the process to be adopted by the cluster technical evaluation team when evaluating tender submissions for Substation Control Plant Construction Contractors from the desktop evaluation stage to the verification of vehicles and tools & equipment on site. It also outlines the technical requirements to be adhered to by the tenderer and all returnables to be returned by the tenderer at the tender closing date.

## **2. SUPPORTING CLAUSES**

### **2.1 Scope**

The document covers the requirements for both the desktop and site technical evaluations. The desktop evaluation will assess elements such as skills, vehicles, tools and equipment requirements to determine compliance to the technical competency requirements for tenderers.

The evidence submitted in the tender for vehicles, tools & equipment and other objective documents/requirements will be assessed on site.

### **2.2 Purpose**

The purpose of this document is to set out the minimum criteria to be used when evaluating Substation Control Plant Construction contractors in Limlanga Cluster.

### **2.3 Applicability**

This document shall apply to Eskom Distribution Limlanga Cluster.

### **2.4 Effective date**

The document is effective from the authorisation date.

### **2.5 Normative/Informative References**

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

### **2.6 Normative**

- [1] ISO 9001 Quality Management Systems
- [2] Eskom Guideline 240: 70413681 (Portfolio of Evidence for Authorisation).
- [3] QM 58 – Supplier Contract Quality Requirements Specifications
- [4] 240-128559117 Method Statements for Eskom Substations
- [5] 240-48929482: Tender Technical Evaluation Procedure

### **2.7 Informative**

- [6] Eskom Standards – Part 7: Substations.

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## **2.8 Definitions**

<b>Word</b>	<b>Definition</b>
Substation	A Substation refers to all the material and equipment contained within a designated space (the substation yard) required for the safe operation of transforming sub-transmission voltages (44-132kV) to distribution voltages (11-33kV). This includes all the foundations, earth mat, buildings, conductors, cable, electrical apparatus, steel structures and components, fence, stoning etc.

## **2.9 Abbreviations**

<b>Abbreviation</b>	<b>Description</b>
<b>DoL</b>	Department of Labor
<b>ISO</b>	International Standard Organization
<b>NED</b>	Network Engineering Design
<b>PDE</b>	Power Delivery Engineering
<b>PLATO</b>	The South African Council for Professional Technical Surveyors
<b>SAGC</b>	South Africa Geomatics Council
<b>SACPCMP</b>	South African Council for the Project and Construction Management Professions
<b>SCOT</b>	Steering Committee of Technology
<b>SI</b>	Standards Implementation
<b>TET</b>	Technical Evaluation Team
<b>AC</b>	Asset Creation
<b>M &amp; O</b>	Maintenance & Operations

## **2.10 Roles and Responsibilities**

The appointed Limlanga Technical Evaluation Team will use this document to evaluate tenders. The Standards Implementation manager will ensure that this document is implemented accordingly.

## **2.11 Process for Monitoring**

The document shall be reviewed as and when required to be always in line with the best technological practices and the Eskom procurement policies.

## **2.12 Related/Supporting Documents**

Not applicable.

# **3. TENDER TECHNICAL EVALUATION STRATEGY**

This section details the methodology to be employed by Eskom LimLanga Cluster in the evaluation of the "Technical" category of the tender returnables.

## **3.1 Technical Evaluation Process**

This section describes the process to be followed in the evaluation of contractors that offers to provide their services for Substation Control Plant Construction.

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In cases where the main contractor opts to subcontract some activities, the subcontractor will be evaluated for the specified activity. Only Eskom evaluated subcontractors may be used.

The evaluation shall be conducted in the following three (3) consecutive stages:

### **Stage 1: Boardroom Evaluation**

This stage will be categorised into two phases namely Phase 1: Mandatory Requirement and Phase 2: Functional Requirements.

**Phase 1:** Mandatory Requirements - Full compliance is required, i.e., The tenderer needs to meet all the requirements to proceed to Phase 2.

**Phase 2:** Functional Requirements - The tenderer needs to obtain a minimum threshold score of **eighty (80%) percent** to proceed to the next stage, i.e., Site Assessment & Verification. Tenderers who fail to meet this minimum threshold will not be evaluated further.

### **Stage 2: Site Assessment & Verification**

The tenderer to obtain a minimum of **eighty (80%) percent** (including test and calibration certificates where applicable) to proceed to the next stage.

Tenderers that meet the minimum threshold of Stage 1 will undergo an on-site verification/evaluation before the final Technical Evaluation report is submitted to Procurement. Vehicles and Tools & Equipment will be verified during this stage.

If any information provided during the desktop evaluation is found to be fraudulent and/or inaccurate during the verification process, Eskom reserves the right to disqualify the tenderer from the tender or rectify the desktop score accordingly.

### **Stage 3: Contractual Obligation**

Full compliance is required before the tender can be awarded. Non-compliance at any stage shall lead to immediate disqualification

## **3.2 TET Members**

The evaluation exercise will be performed by the appointed Eskom Technical Evaluation Team (TET). TET members will be formally appointed by Standards Implementation Manager and must be available for the complete evaluation process. A minimum of three (3) TET members must be professionally registered. The Lead Evaluator will be regarded as the PREP (Professional Registered Engineering Practitioner).

No	TET Member	Designation	TET Responsibilities	
			Desktop	Site
1	As appointed	SI Engineer/Technologist/Technician (Lead Evaluator)	X	X
2	As appointed	SI Engineer/Technologist/Technician	X	X
3	As appointed	AC Engineer/Technologist/Technician	X	X

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4	As appointed	AC Engineer/Technologist/Technician	X	X
5	As appointed	M&O Engineer/Technologist/Technician	X	X
6	As appointed	M&O Engineer/Technologist/Technician	X	X

### 3.3 Technical Evaluation Report

The final report detailing the entire evaluation process as well as the overall results of those who passed and failed with the corresponding reasons will be compiled and handed over to Procurement. The following should be noted about the report:

- a) This report and any actions that are listed or recommended as a result of this assessment, is by no means a confirmation or guarantee that any contract will be entered into by Eskom and the Tenderer.
- b) Any liability for the said actions undertaken by the Tenderer is not transferrable to Eskom in any way.
- c) The TET has no authority or responsibility in the decision taken by Eskom with respect to contracting for a product or service.
- d) Any statements, intentions and/or actions expressed by the TET during the assessment and post the assessment has no effect and does not constitute any liability to Eskom with regards to contract placement.

## 4. TECHNICAL REQUIREMENTS

The requirements are divided into four (4) categories namely Mandatory Requirements, Functional Requirements, Site Assessments / Verification and Contractual Requirements and each is described on the sections below.

**NB: The technical returnable must be contained in a separate technical file or as a section in a file labelled technical and indexed in a logical manner.**

### 4.1 Mandatory Requirements

These are documents not required for functionality scoring. There will be no scoring linked to these requirements, the evaluator shall indicate with a **Yes / No** whether the requirement is met or not. Once the requirements are satisfied through an evaluation conducted by the evaluator, the technical evaluation for functionality evidence will proceed otherwise the submission will be deemed non-responsive and will not proceed to the next evaluation stage.

**Table 1** below lists the mandates that must be submitted by the tenderer. Please note that if any of the requested documentation is not submitted, the tender application shall be discarded / disqualified without requesting tenderer/s to submit outstanding documentation/s.

**Note: Sharing of resources amongst contractor or contractor sharing resources i.e., Tools, Vehicles and Certificates is not allowed in this contract and if a company is found to do so, it will be disqualified.**

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Table 1: Mandatory Requirements

Item No:	Requirement/s	Evidence Required	Evidence Notes	Submitted? (Yes/No)
1.	Letter of Registration as Electrical Contractor (DoL) with an Installation Electrician (IE) or Master Installation Electrician (MIE).	Valid (at the time of submission) Department of Labour Certificate (Letter of Registration) in your Company Name.  Minimum - three phase installations. Single phase will NOT be accepted.	The DoL Letter must be in company name or company director's name and the registration must be valid (Not expired not forged).  The Letter does not need to be certified.  <b>Acceptable minor deviations:</b> <ul style="list-style-type: none"> <li>If the letter is not yet received, then submit proof of application, it will be accepted.</li> </ul> If the letter has expired, then submit proof of renewal request as well as the expired letter, it will be accepted.	

#### 4.2 Functional Requirements

This will be a desktop evaluation of the functional requirements ONLY. Objective or contractual requirements submitted will not influence the results of Stage 2 evaluation.

The tenderer needs to obtain a minimum threshold score of **eighty (80%) percent** to proceed to the next stage, i.e., Site Verification. The overall scoring system for functional requirements is stipulated in the table 2 below. The final score will be rounded to the nearest whole number.

Table 2: Scoring Summary of Functional Criteria (Control Plant)

Item	Description	Weight
<b>Functional Requirements</b>		
1.	Training Requirements & Qualifications	30%
2	Company Work Related Experience	30%
3	Vehicles	20%
4	Tools & Equipment	20%

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#### 4.2.1 Training requirements& Accreditations

This section stipulates the training, qualification and accreditation requirements for Substation Control Plant contractors. The training requirements have been listed in **Table 3** below with the corresponding scoring methodologies in **Table 4**

Table 3: Training & Accreditations Requirements

No	Requirements	Evidence required	Evidence notes	Min Qty	Max Score
1.	Substation Control Plant Construction Training / Course	Valid Substation Control Plant Construction Training / course Certificate/s  An affidavit per employee, in the template provided (see <b>Annexure B: Affidavit Confirming Employment of Resource</b> ), completed by the resources named on the certificates and certified by a Commissioner of Oaths.	Certificates must be certified by the commissioner of oaths and not older than six (6) months from tender closing date.  Certificate must be valid at tender closing date i.e., not expired.  On the certificates it must be clear that the following modules were covered during the training:  1. Single line diagram 2. Equipment installation/erection 3. Power cable general installation, jointing and terminations 4. Crimping 5. Wiring, Cable installation, jointing and terminations 6. Control Plant Installation (Protection, Telecontrol, Metering and DC)  Curriculum of training for Substation Control Plant Construction course to be submitted if listed modules above are not indicated on the training certificate.  Curriculum shall be from the service provider.  Valid certificate accredited by training authorities e.g. EWSETA, SETA. Will be accepted.  The certificates will be validated by Eskom.	x1	20
2.	ECSA Registration Certificate	Valid registration certificate as a Professional Engineer /	Certificates must be certified by the commissioner of oaths and not older	x1	10

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		Technologist / Technician.  An affidavit per employee, in the template provided (see <b>Annexure B: Affidavit Confirming Employment of Resource</b> ), completed by the resources named on the certificates and certified by a Commissioner of Oaths.	than six (6) months from tender closing date.  Certificate must be valid at tender closing date i.e., not expired.		
<b>TOTAL POINTS</b>					<b>40</b>
<p><b>The final weighted score for Training will be calculated by the formula below:</b></p> $Final\ Score = \frac{Tenderer\ Score}{Grand\ Total\ Points} \times 30\%$ <p>Notes: Certified copies submitted must not be older than six (6) months from the tender closing date. Certificate must be valid at tender closing date.</p>					

Table 4: Scoring Methodology for Training & Qualifications Requirements

<b>Scoring Methodology for Training Requirements &amp; Qualifications</b>	<b>Allocated Score (%)</b>
The required certified and valid certificate/s were submitted and with all required modules	100
Valid certificate/s submitted but not certified with all required modules	80
Valid certificate/s submitted but not certified with some modules missing	60
Certificate/s not submitted or are already expired before tender closing date.	0

#### 4.2.2 Company Work Related Experience Requirements

This section evaluates the experience of the contractor to enable Eskom LimLanga Cluster to identify the risk associated with using incompetent / inexperienced contractor for a critical task such as Substation Control Plant Construction . The contractor is expected to demonstrate experience as depicted in **Table 5** below and will subsequently be allocated score as per **table 6** below.

Projects experience should be listed on **ANNEXURE E: Work Experience List / Register**.

Table 5: Work Related Experience Requirements

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Item No	Requirements	Evidence	Qty	Max. Score
1	Previous Substation Project/s * <b>Metering Wiring Installation</b> Related Panel and	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p> <p>With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.</p> <p>10% Score per each completed related Substation Metering Panel Wiring and Installation Project.</p>	x2	20
2	Previous Substation Project/s * <b>Protection Wiring Installation</b> Related Panel and	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p> <p>With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.</p> <p>10% Score per each completed related Substation Protection Panel Wiring and Installation Project.</p>	x2	20
3	Previous Substation Project/s * <b>Telecontrol Wiring and Installation</b> Related Wiring	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p> <p>With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.</p>	x2	20

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Item No	Requirements	Evidence	Qty	Max. Score
		10% Score per each completed related Substation Telecontrol Wiring and Installation Project.		
4	Previous Related Substation Project/s * <b>Telecommunication Wiring and Installation</b>	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p> <p>With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.</p> <p>10% Score per each completed related Substation Telecommunication Wiring and Installation Project.</p>	x2	20
5	Previous Related Substation Project/s * <b>DC Panel Wiring and Installation</b>	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p> <p>With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.</p> <p>10% Score per each completed related Substation Telecommunication Wiring and Installation Project.</p>	x2	20
6	Previous Related Substation Project/s * <b>Wiring, Cable installation, jointing and terminations</b>	<p>The tenderers to attach the Completion Certificates / Handover Document/s for each completed project. (The completion certificate must include minimum requirements such as project name, high level scope of work, client name, contractor name, start date, end date, task/project value and signature). It must also stipulate the completion date.</p> <p>The experience may be as a Subcontractor or Main contractor.</p>	x2	20

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Item No	Requirements	Evidence	Qty	Max. Score
		With Job Completion Certificates and the memorandum of understanding between the main contractor and the subcontractor.  10% Score per each completed related Substation Wiring, Cable installation, jointing and terminations Project.		
<b>TOTAL POINTS</b>				<b>120</b>
<p>The final score for Related work experience will be calculated by the <b>formula</b> below:</p> $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 30\%$				

Table 6: Scoring Methodology - Work Experience

Scoring Methodology for Work experience	Score (%)
2 or more projects completed per SoW	20
1 project completed per SoW	10
The company has not completed a single project	0

#### 4.2.3 Vehicles Requirements

Vehicle requirements for Control Plant Substation Control Plant Construction are listed and stipulated in **Table 7** below and this will be scored as per **Table 8: Scoring Methodology for Vehicles**, below.

The evidence required on this table should be provided utilising an Eskom format / template provided in **Annexure D: Vehicles List / Register** to be considered and shall be accompanied by relevant vehicle registration certificates as per **Table 7**. This list / register will also be used for site assessment / verification as well.

Vehicle List / Register must be completed in full and signed by the tenderer. Complete the following columns on Annexure D:

- Column C : to indicate the quantities of vehicle owned or to be hired,
- Column D : to indicate vehicles owned or hired,
- Column E : vehicle make; and
- Column F : registration number.

#### Evidence Notes:

- Certified copies of the vehicle registration document/s or equivalent document (not just the license disc) shall be submitted as proof of ownership. Registration documents shall bare the company name or owner(s) / director's name.

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- b. Where Vehicles are hired the tenderer shall in addition submit a letter from a bona- fide hiring companies. The hiring letter must indicate the specific vehicle(s) as well as the tenderer's company name.

**Note: Sharing of resources amongst contractor or contractor sharing resources i.e., Tools, Vehicles and Certificates is not allowed in this contract and if a company is found to do so, it will be disqualified.**

Table 7: Vehicle Requirements

Item No.	Requirement/s	Evidence	Indicate if Owned or Hired	Min Qty	Max. Score
1.	4x4 or 4x2 Pick-up Bakkie (LDV/Double Cab) <b>with a minimum of 1 ton load and capable of carrying minimum four (4) workers.</b>	Submit valid vehicle registration document/s (not just the license disc). Registration documents shall bare the company name or owner(s)/director's name.  In cases of hiring, submit proof that this can be hired from Bona Fide Vehicle Hire Companies.		x1	20
<b>TOTAL POINTS</b>					<b>20</b>
<p><b>The final weighted score for Vehicles will be calculated by the formula below:</b></p> $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 20\%$					

Table 8: Scoring Methodology for Vehicles

Scoring Methodology for Vehicles	Allocated Score (%)
Eskom template for Vehicle list / register submitted and vehicles owned, and all relevant documentation has been provided and certified.	100
Eskom template for Vehicle list / register submitted and vehicles owned but not all relevant documentation has been provided and / or not certified.	80
Eskom template for Vehicle list / register submitted and vehicles will be hired with all relevant documentation has been provided.	50
Eskom template for Vehicle list / register submitted and vehicles will be hired but quantities of vehicles to be hired are not indicated on the agreement / contract	40
Eskom template for Vehicle list / register not utilised or nothing submitted	0
Final score to be rounded to the nearest whole number	

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#### 4.2.4 Tools and Equipment Requirements

This section stipulates requirements for Tools & Equipment for Control Plant Construction contractors as listed in **Table 10** below and the corresponding scoring methodology is indicated in **Table 11**. Tools and Equipment must be owned and will be verified during site visit.

The evidence required on this table should be provided as per an Eskom template provided in **Annexure C: Tools & Equipment List / Register for Control Plant Construction**.

Please complete Annexures C to indicate the quantities (Column E) of Tools & Equipment owned. The list / register must be completed in full and signed by the tenderer.

- Tools and equipment will be evaluated based on the tools register (Annexure C) submitted by the tenderers and it must be in the Eskom format provided (Annexure C).
- Calibration and test certificates (where required / necessary) for tools and equipment are NOT required at tendering stage but shall be required at Tender award stage.

**Note: Sharing of resources amongst contractor or contractor sharing resources in i.e., Tools, Vehicles and Certificates is not allowed in this contract and if a company is found to do so, it will be disqualified.**

Table 9: Tools & Equipment Requirements  
**Control Plant Tools (must be owned)**

Item No	Equipment Description	Size	Min Qty	Quantity Owned	Max. Score
1.	Toolbox consisting of; <ul style="list-style-type: none"> <li>Hacksaw Junior</li> <li>Hacksaw 300mm</li> <li>Hammer 200g</li> </ul>		1 per team		5
2.	Multi-plug	Minimum 3 sockets	1 per team		5
3.	Portable gas soldering iron	e.g. Portasol P-1K	1 per team		5
4.	Solder Sucker		1 per team		5
5.	Wire Stripper		1 per team		5
6.	Krone Tool		1 per team		5
7.	Test Lead	(Krone) - Disconnect and Through	1 per team		5
8.	RJ45 crimping tool		1 per team		5
9.	Lug box or Component Box		1 per team		5
10.	Cable Tie strapping tool	e.g. Panduit	1 per team		5
11.	Pop Rivet gun		1 per team		5
12.	1000V rated Flat Screwdrivers	6x1.0 BL=150, 5.5x0.8 BL=125, 3x0.5 BL=75**	1 set per team		5
13.	1000V rated Phillips Screwdrivers	PH0 BL=75, PH1 BL=75,	1 set per team		5

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		PH2 BL=100			
14.	Pre-insulated Ratchet Type Terminal Crimper	1.5mm – 6mm Red, Blue, Yellow	1 per team		<b>5</b>
15.	Bootlace Ferrule Crimper	0.5mm – 6mm	1 per team		<b>5</b>
16.	<1mm Wire Stripper	0.5mm – 4mm (for IDF wiring)	1 per team		<b>5</b>
17.	1000V rated Nut Drivers	Gedore – 8mm, 10mm, 13mm	1 set per team		<b>5</b>
18.	Flat Precision Screw Driver	1.5x40	1 per team		<b>5</b>
19.	Quickwedge S/Shaft Screw Drivers	Wiha – 6x150mm, 8x150mm	1 set per team		<b>5</b>
20.	Torx T-6, T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40	Kennedy KEN-572-6450K	1 set per team		<b>5</b>
21.	File – flat	For metal	1 per team		<b>5</b>
22.	File – round	For metal	1 per team		<b>5</b>
23.	Fold-up table		1 per team		<b>5</b>
24.	Polarity tester (Calibration certificate required at task order issue)		1 per team	Yes	<b>5</b>
25.	Digital multi-meter (Calibration certificate required at task order issue)	4 ½ Digit true RMS as per DSP 34-1053	1 per team	Yes	<b>5</b>
26.	Insulation tester	500V	1 per team 1		<b>5</b>
27.	Laptop		1 per team		<b>5</b>
<b>GRAND TOTAL FOR CONTROL PLANT TOOLS AND EQUIPMENT SCORE</b>					<b>135</b>
<b>The final weighted score for Tools and Equipment will be calculated by the formula below:</b>					
$Final\ Score = \frac{Tenderer\ Score}{Grand\ Total\ Points} \times 40\%$					

Table 10: Tools & Equipment Scoring Methodology

<b>Scoring Methodology for Tools and equipment</b>	<b>Allocated Score</b>
Eskom provided tools list / register signed by the tenderer submitted.	5
Eskom provided tools list / register but not signed by the tenderer submitted.	4
Eskom provided tools list / register signed but the minimum quantity for a specific tool is not met.	2
Eskom provided tool list / register not utilised / completed	0

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#### **4.2.5 Stage 3: Site Assessment & Verification**

Contractors who pass the desktop evaluation stage will undergo an on- site verification/evaluation.

If any information provided during the desktop evaluation is found to be fraudulent and/or inaccurate during the verification process, Eskom reserves the right to disqualify the company from the tender.

The minimum weighted final score (threshold), required for a tenderer to be considered from a technical perspective after site evaluation considerations is **80%**. If no site evaluation is performed the desktop score will be used as the final tender score.

#### **4.2.6 Stage 4: Contractual Requirements**

These requirements shall be met prior to tender award as they have been identified as important for the scope of Substation Control Plant Construction . Although this will not form part of the desktop evaluation, these may be submitted during the tender stage. Compliance to these requirements needs to be met and verified prior to tender awarding stage (see **Table 11**).

There will be no scoring linked to these requirements. Only “Yes” or “No” answers will be allocated, and the required outcome is for the tenderer to have “Yes” for all Technical Contractual Requirements listed to achieve full compliance.

**It should be noted that if any of these requirements takes significant time to achieve (if not in place) and submitted to Procurement, it will lead to unnecessary delays in a contract being awarded to those specific contractor/s.**

Table 11: Technical Contractual Requirements

#### **CONTROLLED DISCLOSURE**

No.	Requirements	Evidence Required	Evidence Notes	Yes / No
1	PDE SCOT Website Access	Letter showing username and password	Contractors need to subscribe to the PDE Website to get the latest Eskom standards and drawings.  Access outside Eskom - <a href="https://scot.eskom.co.za">https://scot.eskom.co.za</a>  The confirmation of access Letter should be valid at the time it gets submitted.	
2	Compliance to Eskom Method Statements	Submission of Letter to acknowledge Eskom specifications and standards	The acknowledgement waives the requirement for the contractor to write generic safe work procedures at tendering stage - see <b>Annexure A</b>	
3	MV & LV Authorisation Certificates	Valid Outcome 3: Responsible person  OR  <ul style="list-style-type: none"> <li>First Aid Level 2</li> <li>Basic Fire fighting</li> <li>Supervision</li> <li>Risk Assessment or HIRA</li> <li>Equipotential Earthing</li> <li>ORHVS HV02</li> <li>N2 in Electrical Engineering</li> <li>FAS certificate</li> </ul> AND  An affidavit per employee, in the template provided ( <b>see Annexure A: Affidavit Confirming Employment of Resource</b> ), completed by the resources named on the certificates and certified by a Commissioner of Oaths.	All certificates should be in the same name of the employee working for the applicant company. The applicants are required to submit all listed certificates to score full points. All certificates must be certified. All certificates are to be valid as at the time of submission.  Affidavit: The affidavit template provided ( <b>Annexure A</b> ) must be used as the returnable. This affidavit will be used as confirmation of employment of the resources, named on the authorization, at the tendering company during the tender period.	

**CONTROLLED DISCLOSURE**

## **5. ACCEPTANCE**

This document has been seen and accepted by:

<b>Name</b>	<b>Designation</b>
Mmedi Motaung	Manager: Standards Implementation
Pravind Orrie	Senior Manager: Asset Creation
Baldwin Maudu	Middle Manager: Network Engineering Manager
Faans van Zyl	Middle Manager: Network Planning
Bafana Sithole	Middle Manager: Project Execution
Siphe Majola	Middle Manager: Project Execution
Nsela Kekana	Middle Manager: Specialized Maintenance and Support
Larry Mhlabane	Manager Control Plant Maintenance
Thinavhuyo Tshivhandekano	Manager Control Plant Maintenance
Meerashni Ramparshad	Manager Control Plant Maintenance
Blessing Mbatha	Middle Manager: Specialized Maintenance and Support
Johan Otto	Middle Manager: Plant Engineering
Sthembiso Kunene	Middle Manager: Plant Engineering

## **6. REVISIONS**

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>
September	1	S Lekalakala	Modified and aligned the criteria with the latest template.
May 2020	0	I Phafula	First Revision

## **7. DEVELOPMENT TEAM**

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

- Christo van Zyl
- Sello Lekalakala
- Itani Phafula

## **8. ACKNOWLEDGEMENTS**

None

## **CONTROLLED DISCLOSURE**

**ANNEXURE A – ACKNOWLEDGEMENT OF METHOD STATEMENTS**

TET Team Leader  
Eskom Holdings SOC Ltd  
2 Maxwell Drive  
Sunninghill  
Sandton  
2157

**Date:** \_\_\_\_\_

**Enquiries:** Eskom Procurement Office (Buyer)

Dear Sir/ Madam

**RE: ACKNOWLEDGEMENT OF ESKOM METHOD STATEMENTS**

This letter serves to confirm that our company acknowledges and will make use of Eskom's work specifications and method statements. Where required, we will provide Eskom with written method statements for site specific scope of works.

Our company acknowledges that the Eskom method statements are minimum guidelines and shall adapt these to suite the project specific requirements.

Yours Sincerely

Name : \_\_\_\_\_ ( Company Owner)

Signature : \_\_\_\_\_ (Company Owner)

Company Name : \_\_\_\_\_

**CONTROLLED DISCLOSURE**

**ANNEXURE B – AFFIDAVIT CONFIRMING EMPLOYMENT OF RESOURCE**

I, \_\_\_\_\_ (full names),

ID Number: \_\_\_\_\_,  
hereby confirm that I am currently employed as (tick all where appropriate):

☐

Accredited Training Resource

☐

Eskom Authorized Person

\_\_\_\_\_ (Tendering Company Name).

I solemnly declare that all the information contained herein is true.

**Signature of Employee:** \_\_\_\_\_

**Sworn to/Affirmed before me at** \_\_\_\_\_

on this the \_\_\_\_\_ day of \_\_\_\_\_ (month & year).

**Commissioner of Oaths/Justice of Peace:**

..... *(Commissioner's stamp, with signature and date not older than  
three months from the date of tender close)*

**CONTROLLED DISCLOSURE**

**ANNEXURE C – TOOLS AND EQUIPMENT LIST / REGISTER**

This Tools and equipment List will be evaluated Functional Requirements. For notes relating to the Tools and Equipment List.

Control Plant Tools						
A	B	C	D	E	F	G
Item No	Equipment Description	Size	Min Qty	Quantity Owned	Calibration Required?	Max. Score
1.	Toolbox consisting of; <ul style="list-style-type: none"> <li>Hacksaw Junior</li> <li>Hacksaw 300mm</li> <li>Hammer 200g</li> </ul>		1 per team			
2.	Multi-plug	Minimum 3 sockets	1 per team			
3.	Portable gas soldering iron	e.g. Portasol P-1K	1 per team			
4.	Solder Sucker		1 per team			
5.	Wire Stripper		1 per team			
6.	Krone Tool		1 per team			
7.	Test Lead	(Krone) - Disconnect and Through	1 per team			
8.	RJ45 crimping tool		1 per team			
9.	Lug box or Component Box		1 per team			
10.	Cable Tie strapping tool	e.g. Panduit	1 per team			
11.	Pop Rivet gun		1 per team			
12.	1000V rated Flat Screwdrivers	6x1.0 BL=150, 5.5x0.8 BL=125, 3x0.5 BL=75**	1 set per team			
13.	1000V rated Phillips Screwdrivers	PH0 BL=75, PH1 BL=75, PH2 BL=100	1 set per team			
14.	Pre-insulated Ratchet Type Terminal Crimper	1.5mm – 6mm Red, Blue, Yellow	1 per team			
15.	Bootlace Ferrule Crimper	0.5mm – 6mm	1 per team			
16.	<1mm Wire Stripper	0.5mm – 4mm (for IDF wiring)	1 per team			
17.	1000V rated Nut Drivers	Gedore – 8mm, 10mm, 13mm	1 set per team			
18.	Flat Precision Screw Driver	1.5x40	1 per team			
19.	Quickwedge S/Shaft Screw Drivers	Wiha – 6x150mm, 8x150mm	1 set per team			

**CONTROLLED DISCLOSURE**

**TECHNICAL EVALUATION CRITERIA FOR  
SUBSTATION CONTROL PLANT CONSTRUCTION  
(CONTROL PLANT) CONTRACTORS IN LIMLANGA  
CLUSTER**

Unique Identifier: **LC SI-72**

Revision: **4**

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20.	Torx T-6, T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40	Kennedy KEN-572-6450K	1 set per team			
21.	File – flat	For metal	1 per team			
22.	File – round	For metal	1 per team			
23.	Fold-up table		1 per team			
24.	Polarity tester (Calibration certificate required at task order issue)		1 per team		Yes	
25.	Digital multi-meter (Calibration certificate required at task order issue)	4 ½ Digit true RMS as per DSP 34-1053	1 per team		Yes	
26.	Insulation tester	500V	1 per team 1			
27.	Laptop		1 per team			
<b>GRAND TOTAL FOR CONTROL PLANT TOOLS AND EQUIPMENT SCORE</b>						
<p><b>The final weighted score for Tools and Equipment will be calculated by the formula below:</b></p> $Final\ Score = \frac{Tenderer\ Score}{Grand\ Total\ Points} \times 20\%$						

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ANNEXURE D – VEHICLES LIST / REGISTER

This Vehicles List will be evaluated as Functional Requirements. For notes relating to the Vehicles List.

Vehicle Register List						
A	B	C	D	E	F	G
Item No.	Vehicle	Min Qty.	Indicate if Owned or Hired	Vehicle Make	Registration Number	Max. Score
1.	4x4 or 4x2 Pick-up Bakkie with Ladder Rack (LDV/Double Cab) with a minimum of 1 ton load and capable of carrying minimum four (4) workers.					
TOTAL POINTS						
<p><b>Note: the tenderer will obtain a point for each LDV</b></p> <p><b>The final weighted score for Vehicles will be calculated by the formula below:</b></p> $\text{Final Score} = \frac{\text{Tenderer Score}}{\text{Total Points}} \times 20\%$						
<p>I hereby confirm that the list above, as per Annexure D, is a true reflection of the Vehicles owned or hired by my company.</p> <p>Name : _____ (Company Owner)</p> <p>Signature : _____ (Company Owner)</p> <p>Date : _____</p>						

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**ANNEXURE E – WORK EXPERIENCE LIST / REGISTER**

This Work Experience List will be evaluated under Functional Requirements. Refer to Section 4.2.2 for notes relating to Work experience.

<b>No:</b>	<b>Project name</b>	<b>Client Name and contact details</b>	<b>Approx. . value (R)</b>	<b>Start Date</b>	<b>End Date</b>	<b>Brief Project description</b>
<b>Metering Panel Wiring and Installation</b>						
1						
2						
<b>Protection Panel Wiring and Installation</b>						
1						
2						

**CONTROLLED DISCLOSURE**

**TECHNICAL EVALUATION CRITERIA FOR SUBSTATION CONTROL PLANT  
CONSTRUCTION (CONTROL PLANT) CONTRACTORS IN LIMLANGA CLUSTER**

Unique Identifier:

**SILC-685**

Revision:

**2**

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No:	Project name	Client Name and contact details	Approx. . value (R)	Start Date	End Date	Brief Project description
Telecontrol Wiring and Installation						
1						
2						
Telecommunication Wiring and Installation						
1						
2						

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**TECHNICAL EVALUATION CRITERIA FOR SUBSTATION CONTROL PLANT  
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Unique Identifier:

**SILC-685**

Revision:

**2**

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No:	Project name	Client Name and contact details	Approx. . value (R)	Start Date	End Date	Brief Project description
DC Wiring and Installation						
1						
2						
Wiring, Cable installation, jointing and terminations						
1						

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Unique Identifier:

**SILC-685**

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No:	Project name	Client Name and contact details	Approx. . value (R)	Start Date	End Date	Brief Project description
2						
<p><b>The final weighted score for Work Experience will be calculated by the formula below:</b></p> $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 30\%$						

**CONTROLLED DISCLOSURE**