

 Eskom	Report	Technology
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Compiled by	Supported by	Authorised by
		
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1 INTRODUCTION

Programme management submitted a request for the construction of various High Voltage (HV) 44kV- 132kV Line (Foundations, structure assembly and stringing) within the Eskom Limlanga Cluster. The need arose as a result of the growing need for electricity in the Limlanga Cluster as well as the refurbishment and strengthening of the existing network to improve performance and life span of equipment.

2 SUPPORTING CLAUSES

2.1 Scope

This document sets out the standardised criteria to be used when evaluating a contractor for the construction of HV Lines.

2.1.1 Purpose

The document was written to standardise the criteria to be used when evaluating contractors for the construction of HV Lines within the Eskom Limlanga Cluster.

2.1.2 Applicability

This document shall apply to Standards Implementation department within Eskom Limlanga Cluster when performing Technical Evaluations on contractors for the construction of High Voltage Lines ranging from 44kV up to and including 132kV.

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 9001:2015, Quality Management Systems.
- [2] 240 – 48929482, Engineering Evaluation Procedure
- [3] 32-1033: Eskom Procurement and Supply Chain Management Policy
- [4] 32-1034: Eskom Procurement and Supply Management Procedure Informative
- [5] 474-59: Internal Audit Procedure.

2.2.2 Informative

N/A

2.3 Definitions

All definitions are applicable as described in the documents listed under Normative Reference of these documents. The following definitions are also applicable:

Definition	Description
Technical Evaluation Team	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.
Technical Evaluator	Technical specialist who independently evaluates tenders against the functionality criteria in line with the criteria and scores.
Tender Technical Evaluation Strategy	It is the document developed by the TET and its development is led by the HV Line specialist. It consists of the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, TET member responsibilities and Acceptable/Unacceptable Qualifications. It is prepared before the tender document is sent out.

2.3.1 General

None

2.3.2 Disclosure classification

Confidential: the classification given to information that may be used by malicious/opposing/hostile elements to **harm** the objectives and functions of Eskom Holdings Limited.

2.4 Abbreviations

Abbreviation	Description
HV	High Voltage
KV	Kilo Volts
LOU	Limpopo Operating Unit
MOU	Mpumalanga Operating Unit
ISO	International Standard Organisation
SI	Standards Implementation Department
TEC	Technical Evaluation Criteria
TET	Technical Evaluation Team

3 ROLES AND RESPONSIBILITIES

All Eskom employees and/or appointed bodies involved in the evaluation of HV Lines contractors shall ensure that the project deliverable meets the requirements of these technical evaluation criteria. Any deviation from these requirements shall constitute non-conformance unless it was in advance agreed to by a delegated Specialist and is based on sound engineering judgement.

HV Line Specialist Lead: Is responsible for identifying all engineers / technical specialists required to develop the Tender Technical Evaluation Strategy and perform the required technical evaluation.

Relevant Engineering Managers: Are responsible for appointing in writing the TET members.

Lead Engineering Manager: Is responsible for approving the TET composition.

Technical Evaluation Team (TET) member: Engineers / technical specialists required to perform the required technical evaluation. The delegated engineers / technical specialists are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Criteria. (All members of the TET shall be appointed in writing by the relevant Engineering manager(s), who deem these members competent to perform this role as technical evaluators).

3.1 Process for Monitoring

Standards Implementation Department is responsible for ensuring that this process is adhered to during the evaluation process. This document may be revised as and when deemed necessary in line with the business needs, Eskom's procurement policies and the engineering evaluation procedure (240-48929482).

3.2 Related / Supporting Documents

As per Normative and Informative of all documents listed.

4 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 returnable.

4.1 Technical Evaluation Process

The evaluation criteria described in the following sections will be used to evaluate any service provider that wishes to provide the services of HV Line Construction, Refurbishment and Dismantling.

The evaluation shall be conducted in the following three (3) consecutive stages namely **Stage 1:** Boardroom Evaluation, **Stage 2:** Site Assessment & Verification and **Stage 3:** Contractual Obligation. The three stages are thoroughly defined below:

4.1.1 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., Tenderer/s needs to meet all the requirements to proceed to Phase 2.

Phase 2: Functional Requirements – Tenderer/s needs to obtain a minimum threshold score of **eight five (85) 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.

4.1.2 Site Verification & Assessment

Site verification will be done to all those service providers that met the minimum threshold **eighty-five (85) percent** of the boardroom evaluations. The verification and assessment process will involve the following:

- a. Verification and assessment of Vehicles, Tools & Equipment required to perform the job.

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 adjust the desktop score accordingly.

4.1.3 Contractual Obligation

Full compliance is required before the tender can be awarded.

4.2 Subcontracting

This is a specialized task so 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 for this task.

4.3 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 Evaluation 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
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

4.4 Technical Evaluation Report

The Technical team will compile and submit the final technical evaluation report on the Tenderers that met the minimum threshold of eighty-five **(85) percent** as well as those that did not meet the minimum threshold score to the Procurement Officer. The following should be noted about the report:

- 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.
- Any liability for the said actions undertaken by the Tenderer is not transferrable to Eskom in any way.
- 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.

Any Tenderer that did not meet the minimum threshold score will be notified by the Procurement Officer and no further evaluations will be conducted by the Technical Evaluation Team for such Tenderers.

5 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 in detail on the sections that follows.

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.

5.1 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 mandatories 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.

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.	The DoL Letter must be in company name or company director's name and the registration must be valid (Not expired not forged).	
2	Line Construction Training	The HV Line Construction certificates, from the following Training Service Providers who are ESETA or EWSETA accredited.	Submit one (1) HV Line Training certificates. Certificates must be certified by the commissioner of oaths and should be valid within 3 months from the tender closing date. Submit one (1) signed and stamped Affidavits for the above employees with HV Line construction training. (Use the Eskom attached template in Annexure A).	

Item No:	Requirement/s	Evidence Required	Evidence Notes	Submitted? (Yes/No)
			Affidavit Confirming Employment of Resource)	

5.2 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 - five (85) percent** to proceed from stage 2 evaluation. The overall scoring system for functional requirements stipulated in the table 2 below. Final score will be rounded up to the nearest whole number.

Table 2: Functional Requirements Weightings

Item	Description	Weight
Functional Requirements		
1	Training and Qualifications	20%
2	Company Work Related Experience	20%
3	Tool & Equipment	25%
4	Vehicles	35%

5.2.1 Training Requirements & Qualifications

This section stipulates the training and qualifications requirements for HV Line constructions contractors. It should be noted that any requirement/s that will take significant time to achieve (if not in place) or is directly safety related or has cost implications for the tenderer, is seen as critical. Outstanding items can lead to delays before the contractor can start work. These have been listed in contractual requirements section.

Table 3: Training & Qualifications Requirements

Item No	Functional experience	Evidence	Qty.	Max. Score
1	Eskom Authorisation: Minimum Outcome 3 (Higher Voltage): Responsible Person. Or Pre – requisite authorisation training by accredited institutions: Line Construction Course Curriculum 05 HV Lines Supervision ORHVS FAS HIRA Training First Aid Level 2 Fire Fighting Equipotential Earthing	Authorization to be in the name of the employee working for the tendering company. Certificate should be in the name of the employee working for the tendering company and all 8 certificates should be for the same personnel. NB: All certificates should be valid and certified not more than three months before tender closing date. and, tenderers are required to submit all the 8 certificates to score full points. 10 points per each authorization submitted.	2	20%
	Total		20%	
The final score for Related Training and Qualifications will be calculated by the formula below: $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 20\%$				

5.2.2 Company Related Work Experience

This section evaluates the experience of the contractor to enable Eskom to identify the risk associated with using incompetent / inexperienced contractor for a critical task such as HV Line Construction. The contractor is expected to demonstrate experience as depicted in Table 4, below for HV Line Construction respectively.

Table 4: Work Related Experience Requirements

Item No	Functional experience	Evidence	Qty.	Max. Score
1	<p>Previous related HV line construction- Minimum 5km High Voltage line completed:</p>	<p>The tenderers to attach the Completion / Handover Certificates for each completed project. (The completion / handover 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. Completion certificate must show the lengths of the line.</p> <p>NB: Completion certificates that do not show the length of the line and do not include any of the required information listed above will not be accepted.</p>	X2	20%

Item No	Functional experience	Evidence	Qty.	Max. Score
		10 points per each completed HV line construction project Completion certificate will be checked for authenticity.		
Total			20%	
The final score for Related work experience will be calculated by the formula below: $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 20\%$				

5.2.3 Vehicles

This section stipulates requirements for Vehicles for HV Line Construction as listed in **Table 5** below. Please submit the evidence as stipulated in the table below to score full points. Failure to submit all the evidence will result in reduced or zero score as per Table 5: Scoring Methodology for Vehicles.

- Certified copies of the vehicle registration documents shall be submitted. Registration documents shall bare the company name or owner(s)/director's name.
- Vehicle/s hired from bona fide hiring companies, an agreement/contract from the hiring company shall be submitted showing the type of vehicles/ rented/hired. If hiring from non-bona fide hiring companies, then only a valid affidavit will be accepted as hiring proof. The affidavit must contain the Names of the hiring party and the registration details of the vehicle (s).

Table 5: Vehicle Requirements

Item No.	Vehicles – Owned or Hired				
	Criteria	Evidence	Evidence Notes	Min. Qty.	Max. Score
1	4x4 or 4x2 Pick-up Bakkie	Registration Certificate in the company / owner's (Shareholder in the case of Company and Managing member in the case of Close Cooperation) name.	Full Licence document showing company / owner's information. License document must be certified and not older than 3 months from the tender closing date.	X1	10%

Item No.	Vehicles – Owned or Hired				
	Criteria	Evidence	Evidence Notes	Min. Qty.	Max. Score
2	Transport for workers: (Not open Bakkie – All to have safety belts)	Registration Certificate in the company / owner's name, or Proof that this can be hired from Bona Fide Vehicle Hire Companies for tenderer	Full Licence document showing company / owner's information. License document must be certified and not older than 3 months from the tender closing date. Proof of hiring contract / pre-approved letter from Bona Fide Vehicle Hire Companies must be submitted.	X1	5%
3	Truck with suitable Vehicle Motor Crane (minimum of 18m reach) (with aerial device)	Valid truck registration certificate. Truck certificates should show minimum of greater than 3500kg GVM Valid load testing certificate showing the minimum 18m reach of the vehicle motor crane. NB: Tenderers can attach motor crane proof of purchase (Invoices and other related documentation to show the aerial height of a motor crane).	Full Licence document showing company / owner's information. License document must be certified and not older than 3 months from the tender closing date.	X1	20%
Total				35%	
The final score for Related Vehicles will be calculated by the formula below: $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 35\%$					

Table 6: Vehicles Scoring Methodology

Scoring Methodology for vehicles	Allocated Score (%)
Vehicle owned by tenderer with all required documentation	100
Vehicle hired with documented proof from a bona fide hiring company and the vehicles to be hired are clearly specified or the vehicle is owned however the copy of registration documents is not certified	80
The hiring letter does not specify explicitly the exact name of the vehicle that is intended to be hired	40

Scoring Methodology for vehicles	Allocated Score (%)
Did not submit proof of ownership or hiring letter from bona fide hiring company	0

5.2.4 Tools and Equipment

This section stipulates requirements for Tools & Equipment for HV Line Construction as listed in **Tables 7 and 8** respectively.

The evidence required on these tables should be provided as per templates provided in **Annexure B: Tools & Equipment List / Register for HV Line Construction: Tools & Equipment List / Register**.

Please complete **Annexures B** to indicate whether you Own / Hire (Column E) tools & equipment and the minimum quantities (Column F) as well as the Asset Number/s (where required) on Column G.

- Tools and equipment will be evaluated based on the tools register (**Annexure B**) submitted by the tenderers and it must be in the Eskom format provided.
- The tenders shall indicate in the tools register/s if the tools are owned by the company or hired from a bona fide tool hiring company.
- An agreement/contract/letter from the bona fide tools hiring company shall be submitted indicating all the tools that are hired for points to be given.

Note: Sharing of resources amongst contractor or contractor sharing resources in HV Line Construction 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: Tools & Equipment Requirements

Tools	Requirements	Calibration Certificate s required	Min. Qty	Max. Score
a) Slings (Steel, chain and canvas – as per application)	Owned	Yes	3	2
b) Tirfor (Winch)	Owned	Yes	1	2
c) Conductor Grip (steel)	Owned	Yes	3	2
d) Conductor Grip (aluminium)	Owned	Yes	3	2
e) Lever hoists (Kitos)	Owned	Yes	3	2
f) D-shackles (containing SWL)	Owned	Yes	3	2
g) Pulling EYE (Red Devil)	Owned	Yes	3	2
h) Snatch blocks	Owned	Yes	2	2

Tools	Requirements	Calibration Certificate s required	Min. Qty	Max. Score
i) Stringing wheels / Conductor pulleys	Owned	Yes	30	10

Tools - Conductor work				
a) Hydraulic/manual conductor cutter	Owned		1 per team	4
b) Cable/Conductor drum trestle (Braked)	Owned		3 per team	2
c) Full set of hexagon Dies	Owned		1 set	2
d) Thermometer	Owned	Yes	1	10
e) Dynamometer	Owned	Yes	1	10
f) Tension stringing gear (bull wheel min. 1.2m dia) Tensioner	Owned/Hire	Yes	1	10
g) Tension stringing gear (bull wheel min. 1.2m dia) Puller with dynamometer	Owned/Hire	Yes	1	10
h) Hydraulic power pack with crimper head	Owned		1 per team	10
Tools - Civil work				
a) Dynamic Cone penetrometer	Owned		1	4
b) Hand Compactors	Owned		2 per team	2
c) Mechanical Compactors (Trenches (Wacker) & Surface (roller)	Owned		1 per team	4
d) Vibrators for concrete	Owned		1	4
e) Theodolite / automatic level & accessories	Owned	Yes	1	4
f) Compressor (with jackhammers)	Owned/Hire	Yes	2	10
g) Boxing for foundations	Owned		1 per team	4
Tools - Safety & Working at heights				
a) Fall Arrest System	Owned		1per person working at heights	2
b) Ladders (Extension & Hook)	Owned	Yes	1 each per team	2
c) FAS rescue	Owned		1 per team	2
Tools - Earthing & Testing				
a) Portable earths (Working - Lines)	Owned	Yes	2 sets per authorised person	4
b) Portable earths (Working - Lines) (Lattice)	Owned	Yes	2 sets per authorised person	4

c) Safety Tester	Owned	Yes	1 per authorised person	4
d) Earthing Stick / Telescopic Linkstick	Owned	Yes	1 per authorised person	4
e) Earth resistance tester with suitable wires	Owned	Yes	1	4
f) Running earths	Owned	Yes	2	4
TOTAL				146
The final score for Related Tools and Equipment's will be calculated by the formula below: $Final\ Score = \frac{Tenderer\ Score}{Total\ Points} \times 25\%$				

Table 8: Tools & Equipment Scoring Methodology

Scoring Methodology for Tools and equipment	Score (%)
Tools List/Register (Annexure B) in Eskom format submitted, Tool(s) are owned by tenderer, and Submission meets the minimum number of required tools	100
Tools and Equipment hired with documented proof from a bona fide hiring company and the tools and equipment to be hired are clearly specified.	80
Tools List/Register (Annexure B) submitted with everything correct but not signed or the hiring letter does not specify explicitly the exact name of the tool and equipment that is intended to be hired.	60
Tool List/register is not submitted or not in Eskom format or Quantities owned are not indicated or Did not submit proof of ownership or hiring letter from bona fide hiring company.	0

5.3 Site Verification & Assessment

Site verification will be done to all those service providers that met the minimum threshold of **eighty-five (85) percent** of the desktop evaluations. The verification and assessment process will involve the following: Vehicles, Tools & Equipment required to perform the job. The site verification will be conducted to confirm the score of **sixty (60) percent** (Ownership and availability of Vehicles, Tools & Equipment). During site evaluation, if ownership or availability of vehicles, tools and equipment's will not be proven the score will be adjusted accordingly.

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.

5.4 Contractual Requirements

These requirements shall be met prior to tender award as they have been identified as important for the scope of maintenance of HV Lines 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 9).

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 9: Contractual Requirements

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 - https://scot.eskom.co.za The confirmation of access Letter should be valid at the time it gets submitted.	
2	Operating Unit Specific Authorization	Valid authorization document	Contractors shall obtain the Limpopo & Mpumalanga OU specific Authorization in line with the ORHVS before a task order can be issued to them	
3	Truck Mounted Crane Operator Certificate	Valid and certified Truck Mounted / Mobile Hydraulic Crane Operator Certificate (Code 32 -43)	Contractors shall obtain the crane operator certificate before a task order can be issued to them.	
4	Crimping course certificate	Valid and certified Crimping course certificate	Contractors shall obtain the crimping course certificate before a task order can be issued to them.	
5	Tension-stringing gear certificate	Valid and certified tension – stringing certificate	Contractors shall obtain the tension and stringing gear certificate before a task order can be issued to them.	

6 AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Pravind Orrie	Senior Manager Asset Creation
Madimetja Phalane	Manager Procurement
Siphe Majola	Middle Manager – Project Portfolio - LOU
Bafana Sithole	Middle Manager – Project Portfolio - MOU

7 REVISIONS

Date	Revision	Compiler	Remarks
April 2025	7	B Risiva	New scope 44KV to 132KV changed from 66KV to 132KV. Limpopo cluster includes (Limpopo and Mpumalanga Area)

			<p>TEC re – aligned to be in line with the latest practices.</p> <p>Hiring of Vehicle and some of the tools and equipment's allowed.</p> <p>Overall technical score of 90% adjusted to 85%</p> <p>Affidavit, Tools, and Equipment's Annexures added,</p>
May 2021	6	B Risiva	<p>Limpopo Operating Unit (LOU) is replaced by Limlanga Cluster. Added under Table 2; Competency Requirements:</p> <p>1.Eskom Authorisation</p> <p>Authorisation table has been re- arranged. Eskom authorisation is numbered as 1.1 and Pre – requisite authorisation as 1.2.</p> <p>8.2. Stage 2: Site Evaluation</p> <p>Site evaluation, will be conducted by Eskom representatives to verify the following: Vehicles, tools and equipment's</p>
January 2021	5	B Risiva	<p>Added under Table 2; Competency Requirements:</p> <p>1. Eskom Authorisation:</p> <p>Tenderer to submit organogram to show employee working for the tendering company. Tenderer will not be awarded points, if organogram is not submitted.</p> <p>2. Related work experience</p> <p>Company experience requirement changed from 10km to 5km</p> <p>3. Vehicle:</p> <p>Tenderers can attach motor crane proof of purchase (Invoices and other related documentation to show the aerial height of a motor crane).</p> <p>8.1.2 Tools and Equipment's</p> <p>Tenderers are not expected to submit calibration and or load testing certificate at tender submission deadline. During site evaluation, calibration and or load testing certificates have to be provided for all tools and equipment's that requires calibration and load testing. Eskom Evaluators have to bring back copies of calibration and or load testing certificates to Eskom Procurement.</p>
November 2020	4	B Risiva	<p>Added under Table 2; Competency Requirements:</p> <p>3. Vehicle</p> <ul style="list-style-type: none"> - Truck certificates should show minimum of greater than 3500kg GVM
September 2020	3	B Risiva	<p>Added:</p> <p>3.1.1 Normative,</p> <ul style="list-style-type: none"> - Tender technical evaluation procedure changed to Engineering evaluation procedure <p>Added under Table 2; Competency Requirements:</p> <p>8.2.3 Vehicle:</p> <ul style="list-style-type: none"> - Calibration certificates changed to load testing certificate
August 2020	2	B Risiva	<p>Added under Table 2; Competency Requirements:</p>

			3. Vehicle: Tenderers can attach motor crane proof of purchase (Invoices and other related documentation to proof the aerial height of a motor crane).
January 2020	1	B Risiva	Added: 3.1.1 ISO 9001: (2009 replaced by 2015), Added under Table 2; Competency Requirements: Gatekeeper stage 1 (removed) and Technical criteria changed to (Technical Evaluation stage1: Mandatory evidence and Stage 2: Site Assessment) 8.1. Stage 1: Technical Gatekeepers Table 1: Technical gatekeepers (Yes or No) removed 8.2. Stage 2: Desktop mandatory evidence Table 3 changed to Table 2 2. Related Work experience Included: Tenderers can attach: Task orders, appointment letter, purchase orders to support completion certificate that do not show the length of the line and that do not include scope of work. 3. Vehicles - Valid calibration certificate: Vehicle motor crane licence number plate must be the same as the one of a truck 8.1.2 Tools and Equipment's Table 4 (Tools and Equipment) changed to Table 3 (Tools and Equipment)
October 2019	0	B Risiva	First Issue

8 DEVELOPMENT TEAM

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

- Boreman Risiva
- Mmedi Motaung

9 ACKNOWLEDGEMENTS

None

Annexure A: Affidavit Confirming Employment of Resource

I, _____ (full names),

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

☐

Accredited HV Line Construction 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)

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Annexure B: HV Line Construction Tools and Equipment's

Tools	Requirements	Calibration Certificates required. (Yes / No)	Min. Qty	Owned/ Hired	Quantity	Asset Numbers or Serial Numbers
A	B	C	D	E	F	G
a) Slings (Steel, chain and canvas – as per application)	Owned	Yes	3			
b) Tirfor (Winch)	Owned	Yes	1			
c) Conductor Grip (steel)	Owned	Yes	3			
d) Conductor Grip (aluminium)	Owned	Yes	3			
e) Lever hoists (Kitos)	Owned	Yes	3			
f) D-shackles (containing SWL)	Owned	Yes	3			
g) Pulling EYE (Red Devil)	Owned	Yes	3			
h) Snatch blocks	Owned	Yes	2			
i) Stringing wheels / Conductor pulleys	Owned	Yes	30			
Tools - Conductor work						
a) Hydraulic/manual conductor cutter	Owned		1 per team			

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Tools	Requirements	Calibration Certificates required. (Yes / No)	Min. Qty	Owned/ Hired	Quantity	Asset Numbers or Serial Numbers
b) Cable/Conductor drum trestle (Braked)	Owned		3 per team			
c) Full set of hexagon Dies	Owned		1 set			
d) Thermometer	Owned	Yes	1			
e) Dynamometer	Owned	Yes	1			
f) Tension stringing gear (bull wheel min. 1.2m dia) Tensioner	Owned/Hire	Yes	1			
g) Tension stringing gear (bull wheel min. 1.2m dia) Puller with dynamometer	Owned/Hire	Yes	1			
h) Hydraulic power pack with crimper head	Owned		1 per team			
Tools - Civil work						
a) Dynamic Cone penetrometer	Owned		1			
b) Hand Compactors	Owned		2 per team			
c) Mechanical Compactors (Trenches (Wacker) & Surface (roller)	Owned		1 per team			
d) Vibrators for concrete	Owned		1			

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Tools	Requirements	Calibration Certificates required. (Yes / No)	Min. Qty	Owned/ Hired	Quantity	Asset Numbers or Serial Numbers
e) Theodolite / automatic level & accessories	Owned	Yes	1			
f) Compressor (with jackhammers)	Owned/Hire	Yes	2			
g) Boxing for foundations	Owned		1 per team			
Tools - Safety & Working at heights						
a) Fall Arrest System	Owned		1per person working at heights			
b) Ladders (Extension & Hook)	Owned	Yes	1 each per team			
c) FAS rescue	Owned		1 per team			
Tools - Earthing & Testing						
a) Portable earths (Working - Lines)	Owned	Yes	2 sets per authorised person			
b) Portable earths (Working - Lines) (Lattice)	Owned	Yes	2 sets per authorised person			
c) Safety Tester	Owned	Yes	1 per authorised person			

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Tools	Requirements	Calibration Certificates required. (Yes / No)	Min. Qty	Owned/ Hired	Quantity	Asset Numbers or Serial Numbers
d) Earthing Stick / Telescopic Linkstick	Owned	Yes	1 per authorised person			
e) Earth resistance tester with suitable wires	Owned	Yes	1			
f) Running earths	Owned	Yes	2			
Declaration: I hereby confirm that the list above is a true reflection of the Tools & Equipment owned/hired by my company.						
Name : _____ (Company Owner)						
Signature : _____ (Company Owner)						
Date : _____						

Note: The tool list must be fully completed to be accepted