

 Eskom	Report	Distribution Operating Unit	Gauteng
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1. Introduction

This document has been developed to set the standard technical evaluation criteria to be used when evaluating tender submissions by basic civil work contractors for MV/LV underground cable system in Eskom Distribution Gauteng Operation Unit (GOU). The technical evaluation criteria are developed in line with the Eskom MV/LV cable system standards. The civil scope includes but is not limited to: River crossing, road crossing, MV cable joint bays and reinstatement of surfaces.

2. Supporting Clauses

2.1 Scope

These technical evaluation criteria cover the minimum technical requirements for civil work to be conducted on the MV/LV cable system for maintenance purposes.

2.1.1 Purpose

This document was compiled to provide technical evaluation criteria for civil scope of work for MV/LV cable system to ensure contractor compliance to standard within Eskom Distribution. It is applicable only for the purpose of performing contractor tender evaluations for the civil work maintenance of MV/LV cable systems in GOU.

2.1.2 Applicability

This document shall apply for Eskom Distribution, GOU.

2.1.3 Effective date

The effective date of this document is the same as the authorised date.

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, Quality Management Systems
- [2] 240-45683927, Compaction Testing on Cable System Installations

2.2.2 Informative

- [3] 32-9: Definition of Eskom documents.
- [4] 32-644: Eskom documentation management standard.
- [5] 474-65: Operating manual of the Steering Committee of Technologies (SCOT).

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2.3 Definitions

2.3.1 None

2.4 Abbreviations

Abbreviation	Description
DCP	Dynamic cone penetrometer
GOU	Gauteng Operating Unit
MV	Medium voltage
LV	Low Voltage
PDE	Power Delivery Engineering
POE	Portfolio of evidence
PPE	Personal protective equipment
PVC	Polyvinyl chloride
PPM	Power Plant Maintenance

2.5 Roles and Responsibilities

All Eskom employees and/or appointed bodies involved in the qualification process of contractors to perform civil work shall ensure that the contractors being evaluated meet the requirements of this standard. Any deviation from these requirements shall constitute non-conformance, unless it was in advance agreed to by a delegated appointed evaluating team.

All civil work contractors shall ensure that they obtain clarity where required and obtain all supporting information or documents necessary to comply with this document.

2.6 Process for Monitoring

Acceptance of bidding contractors for the civil work on cable systems shall be based on fully compliant submissions of documents and proving capability of providing the required service during equipment/tools and premises evaluations.

2.7 Related/Supporting Documents

Refer to clause 2.2.

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3. Requirements

This document contains the technical evaluation criteria for civil work on MV/LV cable system contractors in Eskom Distribution, GOU. The evaluation methodology consists of two stages namely 1) the submitted documentation evaluation and 2) premises evaluation where equipment and tools are confirmed.

The technical evaluation exercise is performed by the Eskom evaluating representatives. The initial part of the evaluation starts when submissions are opened and assessed for the first time. The submitted documents will be evaluated against the mandatory and scoring technical evaluation criteria as stated in clauses 3.1.1 and 3.1.2 respectively. Should a tenderer fail to meet any one of the mandatory requirements as indicated in 3.1.1, then they will automatically be disqualified. The documentation evaluations are meant for establishing if all the key tender deliverables are met with regard to the civil work performed on MV/LV underground cable system.

The second part of the evaluation is the verification of tender documentation submissions that takes place at the tenderer's premises as per clause 3.2. Each contractor has to pass the mandatory evaluation as well as achieve a minimum score of 85% in the scoring phase of the documentation evaluation as stipulated in 3.1.2 in order to qualify for premises evaluation. Any score below 85% will result in immediate disqualification.

At the end of the premises evaluation, the Eskom evaluating representative(s) will list all the deviations and identified risks, if any. The representatives will conduct a formal discussion of the deviations and risks in line with stipulated Eskom's requirements with the tenderer. The tenderer that fails to demonstrate the 85% compliance on tables 1 and 2 at the premises evaluation will be disqualified.

3.1 Evaluation criteria

The technical evaluation criteria comprise mandatory and scoring phases.

3.1.1 Table 1: Technical Evaluation Criteria for civil work on MV/LV cable system Contractors: Mandatory Requirements

TASK / MEASURE	
Criteria	Acceptance: Yes/No
Submit all technical requirements on a separate Technical file.	
Provide proof of company's registration for Eskom PDE website access.	
Submit a signed copy of the provided tools and equipment list in Annexure A used for civil work on MV & LV cable systems, indicating if the tools and equipment are owned or hired.	
Provide a copy of a signed company procedure of how soil compaction is measured.	
Provide valid certified copies of training (refer Annexure C)	

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TASK / MEASURE	
Criteria	Acceptance: Yes/No
Provide an affidavit of the team leader, completed by the resources named on the certificates and certified by a Commissioner of Oaths. This affidavit must confirm that the team leader works for the tendered company.	

3.1.2 Table 2: Technical Evaluation Criteria for MV/LV Civil Contractors: Scoring

TASK / MEASURE		
Criteria	Source of evidence	Weighting
<p>Complete the template on Annexure D, which is confirmation and history of at least 5 excavation/civil work performed by your company's qualified personnel, related to the following scope:</p> <p>The civil scope includes but is not limited to: River crossing, road crossing, MV/LV cable joint bays, reinstatement of surfaces</p> <p>The above required project references shall indicate and provide the project name, customer name, customer contact details, the operating voltage, year of execution, total length of excavation.</p>	Appointment letter/task orders and completion certificates	10
Method statement for soil compaction and testing.	Clearly written technique used when doing soil compaction and compaction results	10
<p>Equipment and tools list</p> <p>NB: There will be penalties if tools and equipment are hired. Hired equipment and tools will be awarded 70% of the total points. All equipment and tools that have * need to be owned and not hired by suppliers. If these equipment and tools are hired, the supplier will be scored zero.</p>	Print and complete the provided tool/equipment list on Annexure A and sign, or hiring letter	50
Vehicles, proof of ownership (LDV, Transporter)	Print and complete the vehicle list on Annexure B and sign Vehicle documents	20

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TASK / MEASURE		
Criteria	Source of evidence	Weighting
Suitable PPE for all staff (registers signed by each employee) and PPE Matrix.	Signed PPE register	4
Company premises (office and storage).	Proof of physical address (e.g. municipality statements, etc.)	2
In what manner do you deal with external authority/utility's services. (e.g. Road agencies, Water services, Telecommunication services etc.)? State how the required paperwork is completed before and after the work is completed.	Company's internal procedure	4
TOTAL		/100

3.2 Premises evaluation

The following will be checked at the contractor's premises:

- Owned vehicles and their documents
- Owned tools
- Owned equipment
- List of hired tools and equipment and their hiring letters (hiring letters should indicate that the tools and equipment will be available 24/7)
- Proof of employment for personnel with submitted certificates (e.g. employment contracts etc.)
- General housekeeping (e.g. how tools and equipment are kept)

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Motlhabane Ramashi	Snr Manager Maintenance and Operations (GOU)
Mihla Khumalo	Specialised Maintenance and Support Manager(GOU)
Jabulani Cele	Manager: Power Plant Maintenance (GOU)
Mphathutshedzeni Mudau	Manager: Technical Support (GOU)

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5. Revisions

Date	Rev.	Compiler	Remarks
September 2021	1	S Miya	New document. It has been compiled in order for GOU to conduct technical evaluations on MV/LV civil work contractors.

6. Development Team

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

- Phenny Bopape PEA (PPM)
- Thapelo Mathiba Engineer (PPM)
- Sanele Miya Engineer (PPM)

7. Acknowledgements

None

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Annex A – Tools and Equipment list

Tools/Equipment	QTY	Owned/Hired	Rating
*Steel/plastic barricading as per construction regulations. Minimum of 50 meters.			10
Road crossing steel plates (with hoisting equipment) – Heavy vehicular traffic.			7
*Trench crossing walkways for pedestrians / light vehicular traffic (driveways etc.)			7
*Road traffic signage (road works/construction ahead, lane closed/road narrowing, detour, no through road, road closed, chevrons, stops signs, flag men, Stop/go, etc.)			10
*Hand excavation tools (picks, beaded spades, etc.) 2 beaded minimum.			10
Mechanical excavator (machine) (e.g. TLB).			10
Rock drills (for boulder busting).			5
Pipe jacking equipment, rock blasting			5
Directional drilling machines			10
Compressors.			10
*Jackhammers.			10
Tar (asphalt) / concrete road surface cutter (angle grinder).			10
Bulleting machine			10
*Hand compacting tools (stampers).			5
Mechanical compacting machinery ('rammer'/'wacker').			6
Mechanical compacting roller (e.g. 'Bomag').			10
*Soil compaction testing equipment (DCPs).			10
*Soil sieve of 12mm mesh size			5

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*A.C. (230V) generators (for lighting, bentonite mixing equipment, etc.).			10
*Lighting equipment (for joint bays etc.), min 2 sets.			2
Submersible water pump.			5

Signature: _____ Date: _____

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Annex B – Vehicles list

Vehicles	QTY	Registration number	Owned
LDVs			
Transport for personnel			

Signature: _____ Date: _____

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Annexure C – POE Checklist

Mandatory Requirements: Portfolio of Evidence			
		Valid	
No	Minimum Valid certificates required	Yes	No
1	First Aid Level 2		
2	Basic Fire fighting		
3	Supervision		
4	Occupational Medical certificate		
5	Risk Assessment		
6	High Voltage environment and regulations awareness		
7	Environmental awareness		
8	Construction Regulation		
Company name:		Name of employee:	Title:
Signature:		Date:	

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