



TECHNICAL EVALUATION CRITERIA SUBSTATION WORKS – ELECTRICAL, CIVIL AND BUILDING WORKS UMKOMAAS 88/22/11-kV SUBSTATION UPGRADE PROJECT

(Document No. ER00779-00-P01#2.7-00)

1. INTRODUCTION

This document establishes the standard technical evaluation criteria & strategy for the Commercial enquiry to pursue a contractor who can demonstrate the competency and capacity for the execution of the **Umkomaas 88/22/11kV Substation Upgrade Electrical, Civil and Building Works** located in Kwa-Zulu Natal (CentralEast Cluster).

2. REVISION HISTORY

Date	Rev.	Compiler	Remarks
30 June 2023	0	Jayant Raghbir & Geraldine Pillay	First issue

3. TECHNICAL SCOPE

The term Substation Works in this document is used to describe the following categories of work:

- Substation Works** – Construction related to new “greenfield” substations, including all civil works (access roads, earthworks, stormwater drainage, fencing) and building works (new control / relay / switch room/s).
- Substation Extension** – Extensions to existing substation, including all civil works (access roads, earthworks, stormwater drainage, fencing including rehabilitation and maintenance works) and building works (new/additional control / relay / switch room/s, extensions, or modifications to existing control / relay / switch room/s).
- Substation Civil and Building Works** – Construction related to civil works (access roads, earthworks, stormwater drainage, fencing including rehabilitation and maintenance works)) building works (new control / relay / switch room/s).

2.1 CIVIL WORKS

The civil engineering and building works will include but not be limited to the following types of work which are included in the above listed categories:

Construct / Establish / Rehabilitate / Maintain the following:

- Earthworks new platform or terrace.
- Earthworks platform or terrace extension.
- Access roads
- Surface drainage systems
- Subsoil drainage systems
- Erection of fences, all types (diamond mesh, high security, palisade etc.)
- Extensions or modifications to existing relay/ switch / control rooms
- Cable trenches
- Substation equipment and steel structure foundations
- Erection of equipment support structures substation steel structures
- Placement / Replacement of substation yard stone

- l) Bund holding areas
- m) Embankments (natural, gabions, concrete block retaining)
- n) Surveying

2.2 ELECTRICAL WORKS

The substation primary plant electrical works will include but not be limited to the following types of work which are included in the above listed categories:

- a) Stringing of HV busbars and installation of associated hardware and insulators
- b) Installation of power plant equipment on steelwork structures
- c) Installation of power plant equipment conductors and clamps
- d) Installation of power plant equipment labels and substation fence labels
- e) Installation and testing of substation grid conductors
- f) Excavation and casting of cable trenches
- g) Laying of power plant MV and control plant cables
- h) Termination of MV cables and cable joints
- i) Installation of control plant panels
- j) Installation and testing of lighting and LV circuits

4. DEFINITIONS

Definition	Explanation
Mandatory Criteria	Mandatory criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted, or point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Functional Criteria.
Functional Criteria	Bids meeting the Mandatory Evaluation Criteria will be evaluated against the Functional Evaluation Criteria to allocate an evaluation result (score). Only those submissions achieving a score meeting or exceeding the defined threshold will be considered for further processing.
Enquiry Returnable	Items stipulated in the Tender Enquiry, defined as mandatory and functional, to be submitted as part of the tender submission. Also known as evidence.
Non-scoring /Informational Evidence	Additional evidence required either during tender stage or contract award stage which is not scored and will not affect the final score allocated to the submission.

5. TECHNICAL STRATEGY

The evaluation strategy and supporting criteria described in the following sections will be used to evaluate qualifying bids.

The technical evaluation process will follow a chronological order which will start with Stage 1, namely mandatory requirements. If all Stage 1 requirements have been satisfied then the evaluation will proceed to Stage 2, which is the evaluation of the predefined functional requirements.

All functional criteria will be scored, and a threshold will be set for stage 2. If the stage 2 threshold is met, then the qualifying bids will be processed further for selection.

6. STAGE 1: MANDATORY CRITERIA AND RETURNABLE

If the Mandatory requirements **ARE NOT MET**, then the evaluation will **NOT PROCEED** further.

If the Mandatory requirements **ARE MET**, then the evidence will be used for scoring in the Functional Evaluation.

Note 1: STAGE 1: MANDATORY CRITERIA AND RETURNABLE

The Tenderer shall comply with the Mandatory requirements are stated in *TABLE 1*, below.

The following evidence must be submitted by the tender closing date.

TABLE 1: MANDATORY CRITERIA AND RETURNABLE					
No.	Criteria	Returnable	Further Notes	Minimum Requirements	Compliance
1	Contractors Experience & Workload Registers	<p>Completed and signed Contractor's Experience Registers for (see templates in Annexure B,C & D)</p> <p>Signed by the Managing Director/CEO/Owner</p> <p>The required evidence must be contained in the Contractor's Experience Registers. No supplementary documentation will be considered.</p> <p>"Completed" means that the company name and relevant information are filled in, AND relevant tables in the Contractor's Experience Registers contain information and are not left blank.</p>	Refer to Note 2: item no: 1 below.	<p>1 Primary Plant Construction Works Contractor's Experience Register – Minimum 2 related Substation Construction Projects Required (Primary Plant Electrical Works)</p> <p>1 Civil Engineering Construction Works Contractors Experience Register – Minimum 3 related Substation Construction Projects Required (Civil Works)</p> <p>AND</p> <p>1 Building Construction Works Contractor's Experience Register – Minimum 2 related Substation Control / Relay / Switch Room Construction Projects Required (Building Works)</p>	Yes
2	Company Organogram – Technical Team	<p>1 x Complete and signed Organogram of the Technical Team signed by the Managing Director/CEO/Owner</p> <p>"Completed" means that the company name and other relevant information as per Note 2: item no 2 below are filled in, AND the Organogram and is not left blank.</p>	Refer to Note 2: item no: 2 below.	1 x Complete and signed Organogram of the Technical Team	Yes
3	Compliance to Eskom Method Statements	Submission of Letter to acknowledge Eskom specifications and standards – Annex A	Refer to Note 2: item no: 3 below	Signed Annex A – Acknowledgement of Method Statements	Yes

TABLE 1: MANDATORY CRITERIA AND RETURNABLE

No.	Criteria	Returnable	Further Notes	Minimum Requirements	Compliance
4	Tools & Equipment Registers	<p><u>Completed and signed</u> Tools & Equipment Register (see template in Annexure G)</p> <p>Signed by the Managing Director/CEO/Owner</p> <p>“Completed” means that the company name and relevant information are filled in, AND relevant tables in the Tool List contain information and are not left blank.</p>	Refer to Note 2: item no: 4 below	Tools & Equipment Register	Yes
5	Vehicle and Plant Register	<p><u>Completed and signed</u> Vehicle Register in the required template (see template in Annexure H)</p> <p>Signed by the Managing Director/CEO/Owner</p> <p>“Completed” means that the company name and relevant information are filled in, AND relevant tables in the Vehicle List contain information and are not left blank.</p>	Refer to Note 2: item no: 5 below	1 Vehicle & Plant Register	Yes

Note 2: MANDATORY CRITERIA AND RETURNABLE

1. Contractors Experience & Workload Registers:

- 1.1 Contractors Experience & Workload Registers: Shall demonstrate compliance with the requirements of *STAGE 2: FUNCTIONAL CRITERIA AND RETURNABLE*.
- 1.2 If the Contractors Experience and Workload registers are not signed, they will not be accepted as valid evidence.
- 1.3 If the Contractors Experience Registers do not comply with the minimum number of related substation construction projects, they will not be accepted as valid evidence.
- 1.4 Refer to Annexure B,C&D for the Contractors Experience & Workload Register Templates.
- 1.5 The required evidence must be contained in the Contractor's Experience Registers. No supplementary documentation will be considered.
- 1.6 "Completed" means that the company name and other relevant information are filled in, AND relevant tables in the Contractor's Experience Registers contain information and are not left blank.

2. Company Organogram – Technical team:

- 2.1 The organogram shall include names and /or ID numbers of the company owner(s), vehicle owner(s), substation construction staff (civil engineering works and building construction works) as listed in TABLE 3, for Skills and Training requirements.
- 2.2 The Technical team listed in the Company Organogram shall only be for the personnel which shall be available for this panel Contract.
- 2.3 Details of the personnel listed in the Company Organogram – Technical Team, shall match those of the various Training certificates submitted per resource listed in *STAGE 2: FUNCTIONAL CRITERIA AND RETURNABLE*, as well as every Affidavit provided for each resource.
- 2.4 Should the detailed information **NOT MATCH**, as required in item 2.3 above, the tender submission **SHALL BE DEEMED TO NOT COMPLY** with the mandatory criteria 1 of *TABLE 1: MANDATORY CRITERIA AND RETURNABLE*.
- 2.5 **Important note:** If the organogram is not signed by the required signatories as stated in *TABLE 1: MANDATORY CRITERIA AND RETURNABLE*, it will not be accepted as valid evidence.
- 2.6 "Completed" means that the company name and other relevant information are filled in, AND the Organogram contains relevant information and is not left blank.

3. Compliance to Eskom Method Statements: The acknowledgement waives the requirement for the contractor to write generic safe work procedures at tendering stage. Refer to *Annex A: Acknowledgement of Method Statements* for the letter template.

4. Tools & Equipment Registers:

- 4.1 Tools & Equipment Registers: Shall demonstrate compliance with the requirements of *STAGE 2: FUNCTIONAL CRITERIA AND RETURNABLE*.

- 4.2 If the tools and equipment lists are not signed or no tools are stated, they will not be accepted as valid evidence.
 - 4.3 Refer to Annexure G for the *Tools and Equipment Register* Template.
 - 4.4 “Completed” means that the company name and relevant information are filled in, AND relevant tables in the Tools and Equipment List contain information and are not left blank.
- 5. Vehicle and Plant Register:**
- 5.1 Vehicle and Plant Register: Shall demonstrate compliance with the requirements of *STAGE 2: FUNCTIONAL CRITERIA AND RETURNABLE*.
 - 5.2 If the Vehicle and Plant Registers are not signed or no vehicles or plant are stated, they will not be accepted as valid evidence.
 - 5.3 Refer to Annexure H *Vehicle Register* Template.
 - 5.4 “Completed” means that the company name and other relevant information are filled in, AND relevant tables in the Vehicle and Plant List contain information and are not left blank.
- 6.** Tenderers shall not modify the template forms / tables in any manner. Only the relevant data is to be populated in the template forms / tables (refer to templates provided in the various Annexures at the end of this document. Modification of the forms / tables will lead to exclusion of the data which will impact final scoring.
- 7.** Submissions that contain suspected fraudulent evidence will be referred to the appropriate forensic departments for further investigation.

7. STAGE 2: FUNCTIONAL CRITERIA AND RETURNABLE

The evidence will be assessed, and scores will be allocated accordingly. There are no part marks allowed.

Note that the stipulated criteria do not represent the full extent of training, tools and equipment required for the execution of a Substation Works – Civil and Building Works project scope. The full requirements must be fulfilled if a Tender is awarded.

The maximum possible final score is set at 100%.

The minimum threshold is set at 75%.

Copies of all training certificates and affidavits shall be submitted. The copies shall be certified by a Commissioner of Oaths clearly legible and not older than three months prior to the date of tender close. The Commissioner's details, with signature and date must be clearly visible.

The functional criteria will consist of 4 main sections and each section will be weighted as per the *TABLE 2*, below.

TABLE 2: SUMMARY OF FUNCTIONAL CRITERIA SECTIONS AND WEIGHTING		
No.	Description	Weights
1	Related Work Experience	40%
2	Skills and Training	40%
3	Tools and equipment	10%
4	Vehicles	10%

The following evidence must be submitted by tender closing date.

7.1 RELATED WORK EXPERIENCE

The tenderer is required to demonstrate that they have the following related work experience.

TABLE 3, below, lists required experience requirements that will be evaluated.

TABLE 3: FUNCTIONAL CRITERIA AND RETURNABLE – RELATED WORK EXPERIENCE					
No	Criteria	Returnable	Evidence Notes	Quantity	Weight and Scoring
1	Company Experience with execution of Substation Construction Civil and Electrical Engineering Works Projects	Completed project experience register template (see Annexure B,C,D), showing a minimum of 2 project completed.	Refer to Note 3 below.	Minimum = 3 Projects Maximum = 5 Projects	Total = 80% 16.0% per project
2	Company Experience with execution of Building Construction Works Projects	Completed project experience register template (see Annexure B,C,D), showing a minimum of 1 project completed.	Refer to Note 3 below.	Minimum = 2 Projects Maximum = 4 Projects	Total = 20% 5.0% per project

Note 3: RELATED WORK EXPERIENCE

1. Company Experience – Completed Projects

- 1.1 Completed project experience template (see Annexure B,C,D), showing a minimum of 3 projects completed and / or current projects for Civil and Electrical Engineering Works Construction projects.
- 1.2 Completed project experience template (see Annexure B,C,D), showing a minimum of 2 project completed and / or current projects for Building Construction projects.
- 1.3 The projects listed in the registers must demonstrate the completion of current and / or ongoing projects which align with the scope and definitions as listed in 3 TECHNICAL SCOPE above.
- 1.4 Tenderers are to ensure that all details, contact number/s and contact person/s of the listed projects are correct. Should the contact persons or Organizations not be reachable to verify information, the project/s listed will not be accepted as valid evidence and will be excluded from the scoring.

7.2 SKILLS AND TRAINING REQUIREMENTS

Note 4: SKILLS AND TRAINING REQUIREMENTS

The tenderer is required to demonstrate that they have the following skills and training as well as the following resources

- A minimum of 2 (two) Primary Plant Construction trained resources (Electrical), employed by Tenderer or Sub-Contracted.
- A minimum of 2 (two) Civil Engineering Construction trained resource, employed by Tenderer or Sub-Contracted.
- A minimum of 1 (one) Accredited Builder trained resource, employed by Tenderer or Sub-Contracted.
- A minimum of 1 (one) trained or Registered Surveying Resources, employed by Tenderer or Sub-Contracted.

TABLE 4, below, lists further required skills and training requirements that will be evaluated.

TABLE 4: FUNCTIONAL CRITERIA AND RETURNABLE – SKILLS AND TRAINING

No	Criteria	Returnable	Evidence Notes	Quantity	Weight and Scoring
1	HV/MV Authorisation	1 x “Responsible Person” for Substation Works AND Training Certificates for the “Responsible Person” 1 x Complete set per resource	Refer to Note 5 item 1 below	Minimum = 1	Total = 5% No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.
2	Primary Plant Construction Works Resources and Training	2 x Substation Construction (Electrical Works) Trained Resource, AND Substation Construction (Electrical Works) 1 x complete set of training certificate/s per resource. AND Curriculum Vitae of the following resources: <ul style="list-style-type: none"> • Curriculum Vitae (CV): Construction Manager (Electrical) with PrCM – 2 years related experience • Curriculum Vitae (CV): Site Supervisor/Foreman (Electrical) – 2 years related experience AND Affidavit AND (if required) Contractual Agreement	Refer to Note 5 item	Minimum = 2	Total = 20% No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.

TABLE 4: FUNCTIONAL CRITERIA AND RETURNABLE – SKILLS AND TRAINING

No	Criteria	Returnable	Evidence Notes	Quantity	Weight and Scoring
3	Civil Engineering Construction Resources and Training	<p>2 x Civil Engineering Trained Resource</p> <p>AND</p> <p>Civil Engineering Construction Works training certificate/s per resource.</p> <p>AND</p> <p>Curriculum Vitae of the following resources:</p> <ul style="list-style-type: none"> • Curriculum Vitae (CV): Construction Manager (Civil) with PrCM – 2 years related experience • Curriculum Vitae (CV): Site Supervisor/Foreman (Civil) – 2 years related experience <p>AND</p> <p>Affidavit</p>	Refer to Note 5 item 3 below.	Minimum = 2	<p>Total = 20%</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.</p>
4	Building Construction Works Resources and Training	<p>1 x Accredited builder Resource with a certificate (NHBRC);</p> <p>AND</p> <p>Building Construction training certificate per resource.</p> <p>AND</p> <p>Curriculum Vitae of the following resources:</p> <ul style="list-style-type: none"> • Curriculum Vitae (CV): Site Foreman (Building) <p>AND</p>	Refer to Note 5 item 4 below.	Minimum = 1	<p>Total = 20%</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.</p>

TABLE 4: FUNCTIONAL CRITERIA AND RETURNABLE – SKILLS AND TRAINING

No	Criteria	Returnable	Evidence Notes	Quantity	Weight and Scoring
	Building Construction Works Resources and Training (<i>Continued</i>)	Affidavit AND (if required) Contractual Agreement			
5	Construction Regulations Training Course	Construction / Regulations training certificate per resource. (SAIOSH Certified / Accredited) AND Affidavit	Refer to Note 5 item 5 below.	Minimum = 1	Total =15% No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.
6	Truck Mounted Crane Operators	Training certificates or Operating Permit AND Affidavit	Refer to Note 5 item 6 below.	Minimum = 1 Maximum = 2	Total = 10%
7	Surveying Resources	Training and Registration Certificate per resource (e.g. PLATO) AND Affidavit AND (if required) Contractual Agreement	Refer to Note 5 item 7 below.	Minimum = 1	Total = 10% No “part marks” will be allocated for this item. The Tenderers must comply with the minimum quantity of resources to achieve the score indicated.

Note 5: SKILLS AND TRAINING REQUIREMENTS

1. HV/MV Authorization:

- 1.1 Tenderers shall submit current HV/MV Authorizations for a “Responsible Person”.
- 1.2 Tenderers Authorizations and Relevant Training Data shall be reviewed and evaluated after the Technical Evaluation has been completed. This will be a separate process for only those successful Tenderers who have passed the technical evaluation stages.

2. Primary Plant Construction Works Resources refers strictly to resources employed in the tendering company, or sub-contracted by the tendering company, that have achieved the required, accredited training on the subject.

- 2.1 Primary Plant Construction Works Resources and Training Primary Plant Construction Works Training refers to a Substation Construction training certificate per resource which shall be required.
- 2.2 The resources shall have minimum 2 years’ experience in work which aligns with the scope and definitions as listed in 3 TECHNICAL SCOPE above.
- 2.3 The Construction Manager shall be in possession of a “Professional Construction Manager” (PrCM) registration, issued by the *South African Council for the Project and Construction Management Professions* (SACPCMP).
- 2.4 The training curriculum will be evaluated against the following requirements:
 - 2.4.1 Equipment and related installations.
 - 2.4.2 Structure foundations and assembly.
 - 2.4.3 Equipment installation/erection.
 - 2.4.4 Overhead conductor and Tubular Busbar installation.
 - 2.4.5 Power Cable general installation, jointing and terminations

3. Civil Engineering Construction Resources and Training: “Civil Engineering Construction Works” resources refers strictly to resources employed in the tendering company that have achieved the required, accredited training on the subject.

- 3.1 The Construction Manager shall be in possession of a “Professional Construction Manager” (PrCM) registration, issued by the *South African Council for the Project and Construction Management Professions* (SACPCMP).
- 3.2 The resource shall have minimum 2 years’ experience in work which aligns with the scope and definitions as listed in 3 TECHNICAL SCOPE above.
- 3.3 The training curriculum will be evaluated against the following requirements:
 - 3.3.1 Road and Earthworks Construction: Required Materials, Site Clearance, Preparation for Earthworks, Offloading Gravel, Layer works, Compaction of Gravel, Construction in Restricted Areas, Water handling, Quality Assurance.
 - 3.3.2 Stormwater Construction: Trenching, Shoring of Excavations, Sub-surface Drainage, Surface Drainage, Culverts and Channels, Erosion Protection, Quality Assurance.

- 3.3.3 Concrete Construction Related Training: Properties of Fresh - Hard Concrete and at Early stages, Formwork, Reinforcement, Concrete mixing, Placement and compaction, Protection and curing, Concrete Joints, Defects and repairs, Sampling and testing.
- 3.3.4 Surveying: Reduce levels, Error checking, Benchmark setup and transfer, setting out works levels, calculate bearings distance and coordinates, Recording as-built levels for assurance and quality control.
- 3.4 Training Certificates: Training certificates for the provided training shall be submitted as evidence. A complete set of certificates for each resource shall be provided.
- 3.5 Curriculum Vitae (CV):
 - 3.5.1 The Curriculum Vitae are to be submitted in a **2-page, condensed** format as per the template in Annexure E. **No other CV formats will be accepted.** CV's submitted in formats other than the template in Annexure E, **will not be evaluated.**
 - 3.5.2 **Only the first 2 pages of the submitted CV's will be evaluated.** CV's longer than stated 2 pages will not count in favour of the Tenderer's submission.
 - 3.5.3 **No part marks will be allocated.** Thus, only CV submissions which comply with the required experience will be scored. Submissions with less than the required experience will not be scored.
 - 3.5.4 The CV's are to **only include relevant information** which aligns with the scope and definitions as **listed in 3 TECHNICAL SCOPE** above.
 - 3.5.5 Contact details for references listed in the CV should **be valid and** the reference **"reachable"**, should verification be required.
 - 3.5.6 Curriculum Vitae of the following resources shall be required:
 - 3.5.6.1 Curriculum Vitae (CV): Construction Manager (Civil) with "Professional Construction Manager" registration
 - 3.5.6.2 Curriculum Vitae (CV): Site Supervisor / Foreman (Civil)
- 3.6 Affidavit: Affidavit submitted must be completed and submitted as confirmation of employment of the resources named on the certificates, at the tendering company, during the tender period. Refer to Annexure F for the Affidavit Template. The affidavit template provided must be used as the returnable.
- 4. **Building Construction Works Resources & Training:** "Building Construction Works" resources refers strictly to resources employed in the tendering company, or sub-contracted by the tendering company, that have achieved the required, accredited training on the subject.
 - 4.1 The resource shall have minimum 2 years' experience in work which aligns with the scope and definitions as listed in 3 TECHNICAL SCOPE above.
 - 4.2 The training curriculum will be evaluated against the following requirements:
 - 4.2.1 Bricklaying;

- 4.2.2 Plastering;
 - 4.2.3 Plumbing;
 - 4.2.4 Roof Carpentry;
 - 4.2.5 Health and Safety;
- 4.3 Curriculum Vitae (CV):
- 4.3.1 The Curriculum Vitae are to be submitted in a **2 page, condensed** format as per the template in Annexure E. **No other CV formats will be accepted.** CV's submitted in formats other than the template in Annexure E, **will not be evaluated.**
 - 4.3.2 **Only the first 2 pages of the submitted CV's will be evaluated.** CV's longer than stated 2 pages will not count in favour of the Tenderer's submission.
 - 4.3.3 **No part marks will be allocated.** Thus, only CV submissions which comply with the required experience will be scored. Submissions with less than the required experience will not be scored.
 - 4.3.4 The CV's are to **only include relevant information** which aligns with the scope and definitions as **listed in 3 TECHNICAL SCOPE** above.
 - 4.3.5 Contact details for references listed in the CV should **be valid and** the reference **"reachable"**, should verification be required.
 - 4.3.6 Curriculum Vitae of the following resources shall be required:
 - 4.3.6.1 Curriculum Vitae (CV): Site Foreman (Building)
- 4.4 Training Certificates: Training certificates for the provided training shall be submitted as evidence. A complete set of certificates for each resource shall be provided.
- 4.5 Should the Tenderer not employ staff with the required building construction works training, then the Tenderer shall submit a contractual agreement with an organization/s or individual/s which meet the required criteria. The tenderer shall, again, be required to demonstrate that they employ or sub-contract the required resources prior to Task Order Award.
- 5. Construction Regulations Training:**
- 5.1 Construction /Regulations training certificate shall be submitted per resource.
 - 5.2 The Construction Regulations Training shall be accredited by the South African Institute of Occupational Safety and Health (SAIOSH).
- 6. Truck Mounted Crane Operators:**
- 6.1 Training certificates or permit demonstrating operator training for cranes mounted on a truck (e.g. C32 or F32) or proof of hiring of operator when hiring the crane truck.

7. Surveying Resources

- 7.1 Training or PLATO Registration Certificate: Certificates shall be submitted as evidence. A certificate for each resource shall be provided.
- 7.2 Should the Tenderer not employ staff with the required Surveying training or registration, then the Tenderer shall submit a contractual agreement with an organization/s or individual/s which meet the required criteria.
8. Affidavit: Affidavit submitted must be completed and submitted as confirmation of employment of the resources named on the certificates, at the tendering company, during the tender period. Refer to Annexure F for the Affidavit Template. The affidavit template provided must be used as the returnable.
9. Copies of all training certificates and affidavits **SHALL BE CERTIFIED** by a Commissioner of Oaths **CLEARLY LEGIBLE AND CERTIFIED NOT OLDER THAN THREE MONTHS** prior to date of tender close. The Commissioner's details, with signature and date must be **CLEARLY VISIBLE**.
10. Tenderers are to ensure that all copies of technical returnable/s are clear and legible. Tenderers are to ensure that all copies of technical returnable/s are clear and legible. Copies deemed **NOT TO BE CLEARLY LEGIBLE** will **NOT BE ACCEPTED** as evidence and will not be accepted.
11. Tenderers shall not modify the template forms / tables in any manner. Only the relevant data is to be populated in the template forms / tables (refer to templates provided in the various Annexures at the end of this document. Modification of the forms / tables will lead to exclusion of the data which will impact final scoring.
12. Submissions that contain suspected fraudulent evidence will be referred to the appropriate forensic departments for further investigation.

7.3 TOOLS AND EQUIPMENT REQUIREMENTS

- a) The criteria (i.e. the list of tools and equipment requirements) are stated in the **Error! Reference source not found., Error! Reference source not found..**
- b) The requirement is to demonstrate access to the listed tools and equipment either through ownership or hiring. Tools and equipment shall be available for use on the sites.
- c) If the tool and equipment list is not signed, it will not be accepted as valid evidence.
- d) Company asset registers that are not compliant with the tools list contained in Annexure G, will not be accepted as valid evidence.
- e) Tools and equipment are to be available for use on the sites.
- f) The returnables will be as follows:
 - i. Return the **COMPLETED AND SIGNED** Tools and Equipment registers (see Annexure G) which includes all items stated in following tables, indicating on the submission if the item is owned or being hired.
 - ii. **AND** if the item is being hired then for proof/evidence of hiring shall be required. This proof / evidence shall include a letter from a bona fide hiring company clearing stating the details of the items that are being hired (i.e. all items in the table or the specific items that are being hired) and the quantity available for hire. The quantities of plant and equipment to shall be stated in the letter and shall comply with the minimum quantities required as indicated in TABLE 5 - TABLE 10,below.
 - iii. The letter issued will only be accepted if it is issued from a bona fide tool hiring companies or suppliers; letters from Construction Companies will not be accepted. The hiring letter shall be signed by the lessor (hiring company representative).
 - iv. The Returnable/s shall be signed off by the Company Managing Director / Chief Executive Officer / Owner.
 - v. Eskom reserves the right to verify that the tools and equipment are in fact owned, hired and are available. Should it be found that the tools and equipment are found not to comply with the requirements stated in section 7.3 TOOLS AND EQUIPMENT REQUIREMENTS, the scoring will be revised accordingly.
 - vi. Tenderers shall be required to demonstrated that tools or equipment have valid test or calibration certificates prior to Task Order Award.
 - vii. Tenderers shall not modify the template forms / tables in any manner. Only the relevant data is to be populated in the template forms / tables (refer to Annexure G for the template). Modification of the forms/tables will lead to exclusion of the data which will impact final scoring.
 - viii. Tenderers are to take note that no part marks will be allocated. The Tenderers must comply with the minimum quantity of tools or equipment listed to achieve the score indicated in the tables.

TABLE 5: FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – LIFTING EQUIPMENT						
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	SLING (Steel, chain and canvas-as per application)	Min. 1.5T	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	3	1
2	Lever operated hoists/winch (TIRFOR ®)	1600kG			1	1
3	Conductor Grips (Steel)	8-15mm dia			3	1
4	Conductor Grips (Aluminium)	25-40mm dia			3	1
5	Lever Hoist (Kito ®)	1.5T & 3T			3	1
6	D-Shackles (Containing SWL)				6	1
7	Snatch blocks				2	1
8	Stringing wheels/ Conductor pulleys	Up to Bull conductor (3x3 sets)			9	1

TABLE 6: FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – SAFETY & WORKING AT HEIGHTS

No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	Person Protective Equipment (PPE)	Full set per person	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
2	Fall Arrest System (FAS)	Full set per person working at heights			1	1
3	FAS Rescue	Full set per team			2	1
4	Fibreglass Ladders (Step and Extension)	2,54m & 8-9m			1	1
5	First Aid Kit	Full set per team			1	1
6	Fire Extinguisher	2,5kg min per vehicle			1	1

TABLE 7:. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – OPERATING & TESTING						
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	Portable earths (Working - Substation) (if applicable)	40mm ² / sets per authorised team	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
2	Safety Tester (Voltage detector) (If applicable)	up to 132kV/ per authorised person			1	1
3	Earthing Stick/ Telescopic Link stick (if applicable)	25-40mm diameter / per authorised person			1	1
4	Earth resistance tester with suitable wires	complete set			1	1
5	Continuity Tester	Min. 10A per electrician			1	1
6	Insulation Tester	5kV / per authorised person			1	1

TABLE 8. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CONDUCTOR WORK TOOLS						
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	Hydraulic conductor cutter		Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
2	Cables/Conductor drum trestle (braked)	per team			1	1
3	Thermometer	10kN			1	1
4	Dynamometer	30T & 100T			1	1
5	Hydraulic power pack with crimper head	Hornet, Centipede and Bull / per team			1	1
6	Full set hexagon Dies	per team			1	1

TABLE 9:. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – GENERAL WORK TOOLS						
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	Electricians Toolbox	per accredited electrician	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
2	Toolbox with general tools – Spanners (10-40), Screwdrivers (full range, Hacksaw, Sockets (all relevant sizes)	per team			1	1
3	Hammers	1800g min			2	1
4	Bolt-cutter Med.	Medium / per team			1	1
5	Suitable impact drills (power)	N/A			2	1
6	Strapping tool	N/A			1	1
7	Hole Alignment Wedge	per team			1	1
8	Torque Wrench	30-150Nm / per team			1	1
9	Jacks & Props	as needed			1	1
10	Crowbar	per team			1	1
11	Generator	>5kW / per team			1	1
12	Straight Level	1.2m min per team			1	1

TABLE 10:. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CIVIL & BUILDING WORKS TOOLS AND EQUIPMENT

No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
1	General Masonry Tools Set for Building Works (e.g. Trowels, Steel Floats (All Variants), Concrete Mixer, Builders' Line - 100m, Spirit Levels, Various Types (Straight min 1.2m, Line, etc.))	complete set per accredited builder	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
2	General Carpentry Tool Set for Roof and Ceiling Works - Hand and Power Tools (Saws, Hammers, Mitre Box, Circular Saw, Drill Drivers, etc.)	complete set per accredited builder			1	1
3	Scaffolding for Building Work	complete set per team			1	1
4	Concrete Poker Vibrator				1	1
5	Compressor (with Concrete / Rock Breakers)				1	1
6	Complete Steel Concrete Shutter (Steel Formwork) Sets for Standard Eskom Equipment Support Foundations - Minimum 1 x Complete Set for Each Foundation Type	complete set			1	1
7	Mechanical Compactors				1	1

TABLE 10:. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CIVIL & BUILDING WORKS TOOLS AND EQUIPMENT

No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
	(Rammer, Plate Type Compactors)		Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.		
8	General Construction Tool Set (Picks, Spades, Shovels, Wheelbarrows, Builder's Bucket)	complete set per team			1	1
9	Toolbox with General Tools - Hand and Power Tools (Spanners, Pliers, cutters, Screwdrivers, Tape measures various lengths (5m; 100m), Various Saws, Angle Grinders , Hand Held Drills (Various Types), etc.)	N/A			2	1
10	Generator	>5kW			1	1
11	Concrete Slump Test Equipment	complete set			1	1
12	Concrete Cube Test Moulds and Tamping Rod	complete set			1	1

TABLE 10:. FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CIVIL & BUILDING WORKS TOOLS AND EQUIPMENT

No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired	Returnable	Minimum Quantity	Score
13	Theodolite / Total Station & Accessories – Required for Setting Out of the Works - Calibration Report or Test Certificate, not older than 12 months, to be included in submission.	N/A	Indicate whether tools / equipment is owned or hired	COMPLETED AND SIGNED Tools and Equipment registers, refer to 7.3 a) - f) ,above. “Completed” means that all the required information, the company name and the name a signature of the Company Managing Director / Chief Executive / Owner are filled in, AND the register relevant information and is not left blank.	1	1
14	Automatic Level & Accessories – Checking and Verifying Construction Levels - Calibration Report or Test Certificate, not older than 12 months, to be included in submission.	N/A			1	1

7.4 VEHICLE REQUIREMENTS

- a) The criteria (i.e. the list of vehicle requirements) are stated in the *TABLE 11*, below.
- b) The requirement is to demonstrate access to the listed vehicles either through ownership or hiring.
- c) If the vehicle register is not signed, it will not be accepted as valid evidence.
- d) Company asset registers that are not compliant with the vehicle listing contained in Annexure G, will not be accepted as valid evidence.
- e) A Double Cab LDV (“Bakkie”) may be used to transport employees, but only to the maximum carrying capacity of four passengers, and tools & equipment up to its load carrying limit may be carried. In such instances, no major construction materials may be carried.
- f) Tenderers are to take note that no part marks will be allocated. The Tenderers must comply with the vehicle or plant type / description as well as the minimum quantity of vehicles and plant listed to achieve the score indicated in *TABLE 11*, below.
- g) The returnable will be as follows:
 - i. Return a **COMPLETED AND SIGNED** Vehicle and Plant Register in Annexure G which includes all items stated in the table below, indicating on the submission if the vehicle is owned or being hired.
 - ii. Vehicles indicated as Owned will need to be further substantiated by providing the Vehicle Owner’s information and position in the tendering company. If the vehicle owner does not hold a position in the company, through company ownership or employment, then the vehicle will not be considered “owned” and points will not be awarded.
 - iii. All vehicles and plant listed in the vehicles and plant registers which are indicated as “Owned” shall be fully controlled by the Tenderer and available to the Tenderer for the purposes of this Contract.
 - iv. **AND** if the vehicle is being hired, then the required proof of hiring shall be required. For this proof of hiring, include a letter from a hiring company stating the items that are being hired (i.e., all items in the table or the specific items that are being hired). The letter issued will only be accepted if it is issued from a bona fide vehicle hiring companies or suppliers; letters from Construction Companies will not be accepted. The hiring letter shall be signed by the lessor (hiring company representative). The description / type and quantities of vehicle or plant to be hired shall be clearly stated in the hiring letter and they shall comply with the minimum quantities required as indicated in *TABLE 11*, below.
 - v. Should the Tenderer hire a Truck with suitable Vehicle Mounted Crane with an operator provided by the hiring company. The Tenderer shall ensure that the required Truck Mounted Crane Operators training certificate or permit issued for the hiring company provided operator, is included in the submission. Refer to *7.2 SKILLS AND TRAINING REQUIREMENTS, Note 4: SKILLS AND TRAINING REQUIREMENTS, item 6 above*. The Truck Mounted Crane shall comply with the requirements as listed in *TABLE 11*, below.

- vi. The Returnable/s shall be signed off by the Company Managing Director / Chief Executive Officer / Owner.
- vii. Tenderers shall not modify the template forms / tables in any manner. Only the relevant data is to be populated in the template forms / tables (refer to Annexure G for the template). Modification of the forms/tables will lead to exclusion of the data which will impact final scoring.

TABLE 11. FUNCTIONAL CRITERIA AND RETURNABLE – VEHICLES AND PLANT REGISTER					
No	Vehicle / Plant Type & Description	Owned / Hired	Returnable	Quantity	Score
1	Tracked excavator OR Tractor-Loader-Backhoe (TLB)	Indicate whether vehicle / plant is owned or hired	COMPLETED AND SIGNED Vehicles and Plant registers, refer to 7.4 a) - g) above.	Minimum of 1 Maximum of 1	Maximum Score = 20.00% 20.00% per vehicle
2	Tipper Truck/s – Minimum 5 m³ capacity			Minimum of 1 Maximum of 1	Maximum Score = 15.00% 15.00% per vehicle
3	Truck with suitable Vehicle Mounted Crane (with aerial device) - Minimum 18m reach and 3 ton lifting capacity			Minimum of 1 Maximum of 2	Maximum Score = 5.00% 2.50% per vehicle
4	"Compaction Plant - Vibratory Drum Rollers (Smooth and "Padfoot") min mass: ≥ 7 ton max mass: ≤ 16ton"			Minimum of 1 Maximum of 1	Maximum Score = 15.00% 15.00% per vehicle
5	Water Tanker Truck - Minimum 10 000 litres capacity			Minimum of 1 Maximum of 1	Maximum Score = 15.00% 15.00% per vehicle
6	Motor / Road Grader OR Bulldozer			Minimum of 1 Maximum of 1	Maximum Score = 20.00% 20.00% per vehicle

TABLE 11. FUNCTIONAL CRITERIA AND RETURNABLE – VEHICLES AND PLANT REGISTER					
No	Vehicle / Plant Type & Description	Owned / Hired	Returnable	Quantity	Score
7	Suitable Transport for workers (LDV - Double Cab/Minibus) - Minimum 4 person capacity	Indicate whether vehicle / plant is owned or hired	COMPLETED AND SIGNED Vehicles and Plant registers, refer to 7.4 a) - c) and Note 7 above.	Minimum of 1 Maximum of 2	Maximum Score = 4.00% 2.00% per vehicle
8	LDVs (Bakkie)			Minimum of 2 Maximum of 3	Maximum Score = 6.00% 2.00% per vehicle

8. APPROVAL OF TECHNICAL EVALUATION CRITERIA AND STRATEGY

Name	Designation and Department	Signature	Date
Jayant Raghubir	Senior Design Engineer Network Engineering and Design		
Geraldine Pillay	Technician: Civil Network Engineering and Design		
Preshnee Chetty	Design Manager Network Engineering and Design		
Clifford Senoge	Project Co Ordinator Project Execution		

Annex A – Acknowledgement of Method Statements

Tender Technical Evaluation Team Leader
Eskom Holdings SOC Ltd
2 Maxwell Drive
Sunninghill
Sandton
2157

Date : _____

Enquiries : _____ (Tel No.)

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 method statements and will where required provide Eskom with written method statements for site 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 : _____

Annexure B: Primary Plant Electrical Construction Works Contractor’s Experience Register Template

Company Name & Company Registration Number: _____

No	Project Name	Project Category	Scope	Project Value	Client	Client Contact Details	Client Contract Number	Duration
EG	XXXXXXX	Substation Primary Plant	Construction or new Substation complete, Construction of new Substation Feeder Bay Construction of new Substation Extension,	R3 000 000	XXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	Start Date and End Date
1								
2								
3								
4								
5								

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief
Executive Officer / Owner*

Date:

Company Managing Director / Chief
Executive Officer / Owner* **Name:**

(*underline which is applicable)

**Tendering
Company:**

Annexure C: Civil Engineering Construction Works Contractors Experience Register Template

Company Name: _____

No	Project Name	Project Category	Scope	Project Value	Client	Client Contact Details	Client Contract Number	Duration
EG	XXXXXXX	Substation Civil Works	Construction or new Substation Earthworks, Construction of new Substation Extension, Construction of new Substation Civil Works or Building Works, Etc.	R3 000 000	XXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXX	Start Date and End Date
1								
2								
3								
4								
5								

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief
Executive Officer / Owner*

Date:

Company Managing Director / Chief
Executive Officer / Owner* **Name:**

(*underline which is applicable)

**Tendering
Company:**

Annexure D: Building Construction Works Contractor’s Experience Register Template

Company Name: _____

No	Project Name	Project Category	Scope	Project Value	Client	Client Contact Details	Client Contract Number	Duration
EG	XXXXXXX	Substation Building Works	Construction of new Substation Building Extension, Construction of new Substation Building Works, Etc.	R3 000 000	XXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	Start Date and End Date
1								
2								
3								
4								
5								

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner* _____

Date: _____

Company Managing Director / Chief Executive Officer / Owner* **Name:** _____

(*underline which is applicable)

Tendering Company: _____

Annexure E: Curriculum Vitae Template:

Curriculum Vitae

1. Name:
2. ID Number:
3. Profession:
4. Education/Qualifications
5. Nationality
6. Membership of Professional Organizations
7. Employment Record:

Period: (incl. dates) Employer: Position Held: Summary:	
Period: (incl. dates) Employer: Position Held: Summary:	
Period: (incl. dates) Employer: Position Held: Summary:	

8. Experience Record for Work Undertaken related to the Information Indicated in 3 *TECHNICAL SCOPE*.

(Information should clearly state Role, Duration of Involvement, Complexity of Work Undertaken and Core Competencies).

Name of Assignment or Project: Year: Location: Client: Main Project Scope: <i>In terms of 3 TECHNICAL SCOPE .</i> Position/s Held: Activities Performed:	
--	--

Name of Assignment or Project: Year: Location: Client: Main Project Scope: <i>In terms of 3 TECHNICAL SCOPE .</i> Position/s Held: Activities Performed:	
Name of Assignment or Project: Year: Location: Client: Main Project Scope: <i>In terms of 3 TECHNICAL SCOPE .</i> Position/s Held: Activities Performed:	
Name of Assignment or Project: Year: Location: Client: Main Project Scope: <i>In terms of 3 TECHNICAL SCOPE .</i> Position/s Held: Activities Performed:	

9. References: (only 2 required) Clearly stating name, Employer, and valid contact details	Name:	
	Employer:	
	Contact Details:	
	Name:	
Employer:		
Contact Details:		

Annexure F: Affidavit Confirming Employment of Resource

I, _____ (full names),

ID Number: _____,

hereby confirm that I am currently employed at:

_____ (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 details with signature and date)

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – LIFTING EQUIPMENT							
No	Equipment Description	Size / Capacity / Mass Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	SLING (Steel, chain and canvas- as per application)	Min. 1.5T					
2	Lever operated hoists/winch (TIRFOR®)	1600kG					
3	Lever Hoist (Kito®)	1.5T & 3T					
4	D-Shackles (Containing SWL)						
5	Snatch blocks						

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

(*underline which is applicable)

Tendering Company:

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – SAFETY & WORKING AT HEIGHTS							
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	Person Protective Equipment (PPE)	Full set per person					
2	Fall Arrest System (FAS)	Full set per person working at heights					
3	FAS Rescue	Full set per team					
4	Fibreglass Ladders (Step and Extension)	2,54m & 8-9m					
5	Firs Aid Kit	Full set per team					
6	Fire Extinguisher	2,5kg min per vehicle					

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

(*underline which is applicable)

Tendering Company:

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – OPERATING & TESTING							
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	Portable earths (Working - Substation) (if applicable)	40mm² / sets per authorised team					
2	Safety Tester (Voltage detector) (If applicable)	up to 132kV/ per authorised person					
3	Earthing Stick/ Telescopic Link stick (if applicable)	25-40mm diameter / per authorised person					
4	Earth resistance tester with suitable wires	complete set					
5	Continuity Tester	Min. 10A per electrician					
6	Insulation Tester	5kV / per authorised person					

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

(*underline which is applicable)

Tendering Company:

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CONDUCTOR WORK TOOLS							
No	Equipment Description	Size / Capacity / Mass Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	Hydraulic conductor cutter						
2	Cables/Conductor drum trestle (braked)	per team					
3	Thermometer	10kN					
4	Dynamometer	30T & 100T					
5	Hydraulic power pack with crimper head	Hornet, Centipede and Bull / per team					
6	Full set hexagon Dies	per team					

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

(*underline which is applicable)

Tendering Company:

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – GENERAL WORK TOOLS							
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	Electricians Toolbox	per accredited electrician					
2	Toolbox with general tools –Spanners (10-40), Screwdrivers (full range, Hacksaw, Sockets (all relevant sizes)	per team					
3	Hammers	1800g min					
4	Bolt-cutter Med.	Medium / per team					
5	Suitable impact drills (power)						
6	Strapping tool						
7	Hole Alignment Wedge	per team					
8	Torque Wrench	30-150Nm / per team					
9	Jacks & Props	as needed					
10	Crowbar	per team					
11	Generator	>5kW / per team					
12	Straight Level	1.2m min per team					

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner* _____

Company Managing Director / Chief Executive Officer / Owner* **Name:** _____
(*underline which is applicable)

Date: _____

Tendering Company: _____

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CIVIL & BUILDING WORKS TOOLS AND EQUIPMENT							
No	Equipment Description	Size / Capacity / Mass / Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
1	General Masonry Tools Set for Building Works (e.g. Trowels, Steel Floats (All Variants), Concrete Mixer, Builders' Line - 100m, Spirit Levels, Various Types (Straight min 1.2m, Line, etc.))	complete set per accredited builder				N/A	
2	General Carpentry Tool Set for Roof and Ceiling Works - Hand and Power Tools (Saws, Hammers, Mitre Box, Circular Saw, Drill Drivers, etc.)	complete set per accredited builder				N/A	
3	Scaffolding for Building Work	complete set per team				N/A	
4	Concrete Poker Vibrator	N/A				N/A	
5	Compressor (with Concrete / Rock Breakers)	N/A				N/A	
6	Complete Steel Concrete Shutter (Steel Formwork) Sets for Standard Eskom Equipment Support Foundations - Minimum 1 x Complete Set for Each Foundation Type	complete set				N/A	
7	Mechanical Compactors (Rammer, Plate Type Compactors)					N/A	
8	General Construction Tool Set (Picks, Spades, Shovels, Wheelbarrows, Builder's Bucket)	complete set per team				N/A	
9	Toolbox with General Tools - Hand and Power Tools (Spanners, Pliers, cutters, Screwdrivers, Tape measures various lengths (5m; 100m), Various Saws, Angle Grinders , Hand Held Drills (Various Types), etc.)	N/A				N/A	
10	Generator	>5kW				N/A	

Annexure G: Tools and Equipment Register for _____ (Company Name & Company Registration No)

FUNCTIONAL CRITERIA AND RETURNABLE – TOOLS AND EQUIPMENT REGISTER – CIVIL & BUILDING WORKS TOOLS AND EQUIPMENT							
No	Equipment Description	Size / Capacity / Mass Requirement	Owned / Hired		Serial Number, where applicable	Test / Calibration Certificate Number, where applicable	Quantity
			O	H			
11	Concrete Slump Test Equipment	complete set				N/A	
12	Concrete Cube Test Moulds and Tamping Rod	complete set				N/A	
13	Theodolite / Total Station & Accessories – Required for Setting Out of the Works - Calibration Report or Test Certificate, not older than 12 months, to be included in submission.						
14	Automatic Level & Accessories – Checking and Verifying Construction Levels - Calibration Report or Test Certificate, not older than 12 months, to be included in submission.						

DECLARATION: I hereby confirm that the tools and equipment list above is a true reflection of the tools and equipment owned or hired by my Company. I will also ensure that all tools and equipment will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

Tendering Company:

(*underline which is applicable)

Annexure H: Vehicle Register for _____ (Company Name & Company Registration No)

If “Owned”, provide the following required information (A, B, C, D):			A	B	C	D
Mandatory Vehicle	Owned (O) or Hired (H) (Y where appropriate)		Vehicle Registration Number as per Logbook/License Document	Name of Vehicle Owner as per License Document	Vehicle Owner’s Position in the Company (if vehicle is not in the Company’s name)	Quantity
	O	H				
Tracked excavator OR Tractor-Loader-Backhoe (TLB)						
Tipper Truck/s – Minimum 5 m³ capacity						
Truck with suitable Vehicle Mounted Crane (with aerial device) - Minimum 18m reach and 3 ton lifting capacity						
"Compaction Plant - Vibratory Drum Rollers (Smooth and ""Padfoot"") min mass: ≥ 7 ton max mass: ≤ 16ton"						
Water Tanker Truck - Minimum 10 000 litres capacity						
Motor / Road Grader OR Bulldozer						
Suitable Transport for workers (LDV - Double Cab/Minibus) - Minimum 4 person capacity						
LDVs (Bakkie)						

DECLARATION: I hereby confirm that the vehicles list above is a true reflection of the vehicles owned or hired by my Company. I will also ensure that all vehicles will be enough to cater for multiple full teams.

Signature of Managing Director / Chief Executive Officer / Owner*

Date:

Company Managing Director / Chief Executive Officer / Owner* **Name:**

(*underline which is applicable)

Tendering Company: