

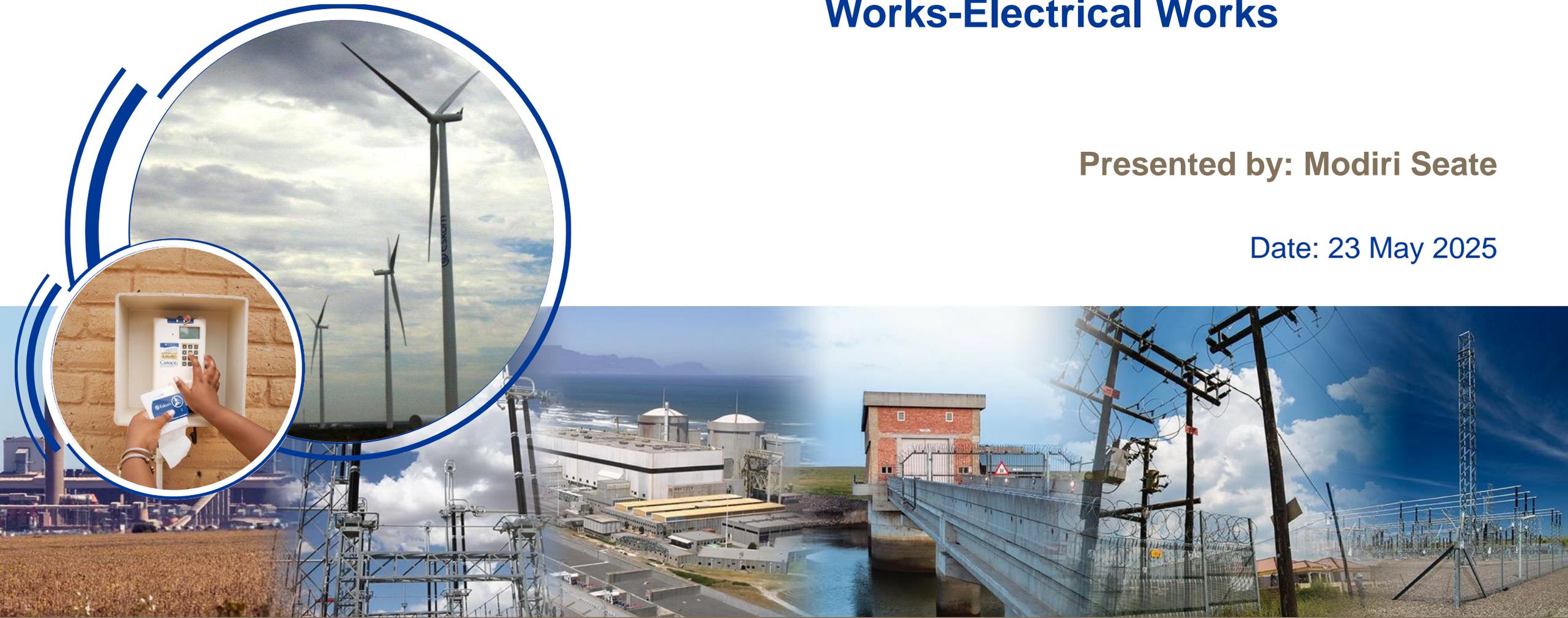
In partnership with



Technical Evaluation Criteria Substation Works-Electrical Works

Presented by: **Modiri Seate**

Date: 23 May 2025



1. Technical Scope
2. Technical Strategy
3. Mandatory Criteria and Returnables
4. Functional Criteria and Returnables

The term **Substation Works** describes the following categories of work:

- a) **Substation Works** – Construction related to new “greenfield” substations, including all primary plant (electrical works for transformer bays, HV/MV feeder bays).
- b) **Substation Extension** – Extensions to existing substation, including all primary plant (electrical works for additional transformer bays, HV/MV feeder bays, reconfiguration of existing substation feeder bays), building works (new/additional control / relay / switch room/s, extensions, or modifications to existing control / relay / switch room/s
- c) **Substation Primary Plant Electrical Works** Construction related to existing substation primary plant electrical works, including all primary plant and control plant (complete transformer and HV/MV feeder bays).
- d) **Substation Building Works** – Construction related to building works (new control / relay / switch room/s)
- e) **Microgrid Works** – Construction related to Microgrid works, including the earthing and cable and LV installation.

- Casting of power plant foundations in existing substations
- Jointing of foundation earth tails to earth mat conductors.
- Installation and jointing of earth mat conductors.
- Installation of power plant equipment on steelwork structures
- Installation of power plant equipment conductors and clamps
- Installation of power plant equipment labels and substation fence labels
- Excavation and casting of cable trenches.
- Installation and testing of substation grid conductors.
- Laying of power plant and control plant cables
- Installation of control plant panels

2. Technical Evaluation Strategy

- The evaluation strategy is made up of stages
- **Stage 1** is the Mandatory requirements and **Stage 2** is the evaluation of the predefined functional requirements.
- Stage 1 requirements **have** to be satisfied in order for the evaluation to proceed to Stage 2
- Stage 1 requirements are evaluated on compliance and Stage 2 requirements are evaluated on scoring system
- **The mandatory criteria are listed below:**

Criteria	Compliance
Contractors Experience & Workload Register	Yes
Tenderer's Resource List	Yes
Compliance to Eskom Method Statement	Yes
Tools and Equipment Registers	Yes
Vehicle and Plant Register	Yes
Affidavit-Declaration Form	Yes

2. Mandatory Criteria and Returnables

Annexure B: Primary Plant 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	XXXXXXXX	Substation Primary Plant	Construction of new Substation complete. Construction of new Substation Feeder Bay Construction of new Substation Extension.	R3 000 000	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXX	Start Date and End Date
1								
2								
3								
4								
5								

DECLARATION: I hereby confirm that listed information is truthful and can be verified by Eskom. Misrepresentation of the information shall make the submission null and void.

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

Date: _____

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

(*underline which is applicable)

Tendering Company: _____

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Authorised Company Signatory: _____

Commissioner of Oaths / Justice of Peace: _____

2. Mandatory Criteria and Returnables

Annexure H: Tenderer's Resource List Template page 1 ("Organogram") for Resources to be Used on this Contract.

No	Resource Title	Name & Surname & ID Number	Qualification / Training Data (State whichever is applicable)	Registration Type and Issuing Body (Where applicable)	CV Completed and Included in Submission	Affidavit Completed and Included in Submission	State if Employed at Company or Sub-Contracted
1.	Company Owner / Managing Director / Chief Executive Officer <i>(Underline whichever is Applicable)</i>				X	<input type="checkbox"/> AFFIDAVIT INCL. IN SUBMISSION Mark Which is applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	THIS RESOURCE NEEDS TO BE EMPLOYED AT THE TENDERING ORGANISATION
2.	HV/MV Authorisation				X	<input type="checkbox"/> AFFIDAVIT INCL. IN SUBMISSION Mark Which is applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	THIS RESOURCE NEEDS TO BE EMPLOYED AT THE TENDERING ORGANISATION
3.	Primary Plant Works Resource – Construction Manager				<input type="checkbox"/> CV INCL. IN SUBMISSION Mark Which is Applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	<input type="checkbox"/> AFFIDAVIT INCL. IN SUBMISSION Mark Which is applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	<input type="checkbox"/> EMPLOYED <input type="checkbox"/> SUB-CONTRACTED Mark Which is Applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>
4.	Primary Plant Works Resource – Site Supervisor / Foreman				<input type="checkbox"/> CV INCL. IN SUBMISSION Mark Which is Applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	<input type="checkbox"/> AFFIDAVIT INCL. IN SUBMISSION Mark Which is applicable with a <input checked="" type="checkbox"/> or <input type="checkbox"/>	THIS RESOURCE NEEDS TO BE EMPLOYED AT THE TENDERING ORGANISATION

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)

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 Authorised Company Signatory:

Commissioner of Oaths / Justice of Peace:

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 : _____

2. Mandatory Criteria and Returnables

Annexure E: 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	Conductor Grips (Steel)	8-15mm dia.					
4	Conductor Grips (Aluminium)	25-40mm dia.					
5	Lever Hoist (Kito ®)	1.5T & 3T					
6	D-Shackles (Containing SWL)						
7	Snatch blocks						
8	Stringing wheels/ Conductor pulleys	Up to Bull conductor (3x3 sets)					

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)

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Authorised Company Signatory:	Commissioner of Oaths / Justice of Peace:

2. Mandatory Criteria and Returnables

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

If "Owned", provide the following required information (A, B, C, D):		A		B	C	Quantity
Mandatory Vehicle	Owned (O) or Hired (H) (H/- if where appropriate)		Vehicle License Number or Vehicle Register Number as per the Certificate of Registration in Respect of Motor Vehicle RC1 (National Road Traffic Act.) ("NATIS" Certificate)	Name of Vehicle Owner as per the Certificate of Registration in Respect of Motor Vehicle RC1 (National Road Traffic Act.) ("NATIS" Certificate)	Vehicle Owner's Position in the Company (if vehicle is not in the Company's name)	
	O	H				
Tractor-Loader-Backhoe (TLB)						
Truck with suitable Vehicle Mounted Crane (with aerial device) - Minimum 18m reach and 3 ton lifting capacity						
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:

Tendering Company:

(*underline which is applicable)

This page is to be Initialed in the presence of a Commissioner of Oaths / Justice of Peace	
Authorised Company Signatory:	Commissioner of Oaths / Justice of Peace:

Annexure G: Affidavit - Declaration Form:

I, _____ (full names),

ID Number _____

Managing Director / Chief Executive Officer / Owner (underline which is applicable) at/of _____ (Tendering Company Name), solemnly declare that all the information contained in this tender submission is true.

Signature of Managing Director / Chief Executive Officer / Owner (underline which is applicable): _____

Sworn to/Affirmed before me at _____

on this the _____ day of _____ (month & year).

Commissioner of Oaths/Justice of Peace:

3. Functional Criteria and Returnables

- The submitted evidence will be assessed and scores will be allocated accordingly. **There are no part marks allowed.**
- The functional criteria will consist of 4 main sections and each section will be weighted

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 minimum passing score is 75%**

3. Functional Criteria and Returnables

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 Electrical Construction Projects	<p>Completed project experience template (see Annexure B), showing a minimum of 3 projects completed.</p> <p>and</p> <p>Tender Completion Certificate for Completed Projects - 1 certificate per project submitted.</p> <p>and/or</p> <p>Contract Award Letter with scope of works for current for “In-progress” projects. - 1 letter per project submitted.</p>	Refer to Note 3 below.	<p>Minimum = 3 Projects</p> <p>Maximum = 5 Projects</p>	<p>Total = 80%</p> <p>16.0% per project</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>
2	Company Experience with execution of Substation Building Construction Works Projects	<p>Completed project experience register template (see Annexure B), showing a minimum of 2 project completed.</p> <p>and</p> <p>Tender Completion Certificate for Completed Projects - 1 certificate per project submitted.</p> <p>and/or</p> <p>Contract Award Letter with scope of works for current for “In-progress” projects. - 1 letter per project submitted.</p>	Refer to Note 3 below.	<p>Minimum = 2 Projects</p> <p>Maximum = 4 Projects</p>	<p>Total = 20%</p> <p>5.0% per project</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>

3. Functional Criteria and Returnables

TABLE 4: FUNCTIONAL CRITERIA AND RETURNABLE – SKILLS AND TRAINING					
No	Criteria	Returnable	Evidence Notes	Quantity	Weight and Scoring
1	HV/MV Authorisation	1 x HV/MV authorised “Responsible Person” for Substation Works AND 1 x complete set of accredited training certificate/s for the “Responsible Person” AND Affidavit Confirming Employment of 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 criteria by submitting all the returnables. Exclusion of any returnables will results in a score of 0
2	Primary Plant Construction Works Resources and Training – Construction Manager	1 x Construction Manager with professional registration with South African Council For The Project And Construction Management Professions AND Curriculum Vitae (CV) of the Construction Manager - 2 years related experience. AND Qualification certificate of the Construction Manager AND Affidavit Confirming Employment of Resource AND (if required) Contractual Agreement	Refer to Note 5 item 1.3 below	Minimum = 1	Total = 25% No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables. Exclusion of any returnables will results in a score of 0.

3. Functional Criteria and Returnables

3	<p>Primary Plant Construction Works Resources and Training -Site Supervisor</p>	<p>1 x Substation Construction Site Supervisor</p> <p>AND</p> <p>1 x complete set of substation construction training certificate/s per resource (site supervisor).</p> <p>AND</p> <p>Curriculum Vitae of the substation construction site supervisor – 2 years related experience.</p> <p>AND</p> <p>Qualification certificate of the substation construction site supervisor</p> <p>AND</p> <p>Affidavit Confirming Employment of Resource</p>	<p>Refer to Note 5 item 1.3 below</p>	<p>Minimum = 1</p>	<p>Total = 25 %</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>
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3. Functional Criteria and Returnables

4	Building Construction Works Resources and Training	<p>1 x National Home Builders Registration Council (NHBRC) registration certificate</p> <p>AND</p> <p>1 x set of accredited Building Construction training certificate/s per resource.</p> <p>AND</p> <p>Curriculum Vitae of the Site Foreman (Building)</p> <p>AND</p> <p>Affidavit Confirming Employment of Resource</p> <p>AND (if required)</p> <p>Contractual Agreement</p>	Refer to Note 5 item 2.10 below.	Minimum = 1	<p>Total = 15%</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>
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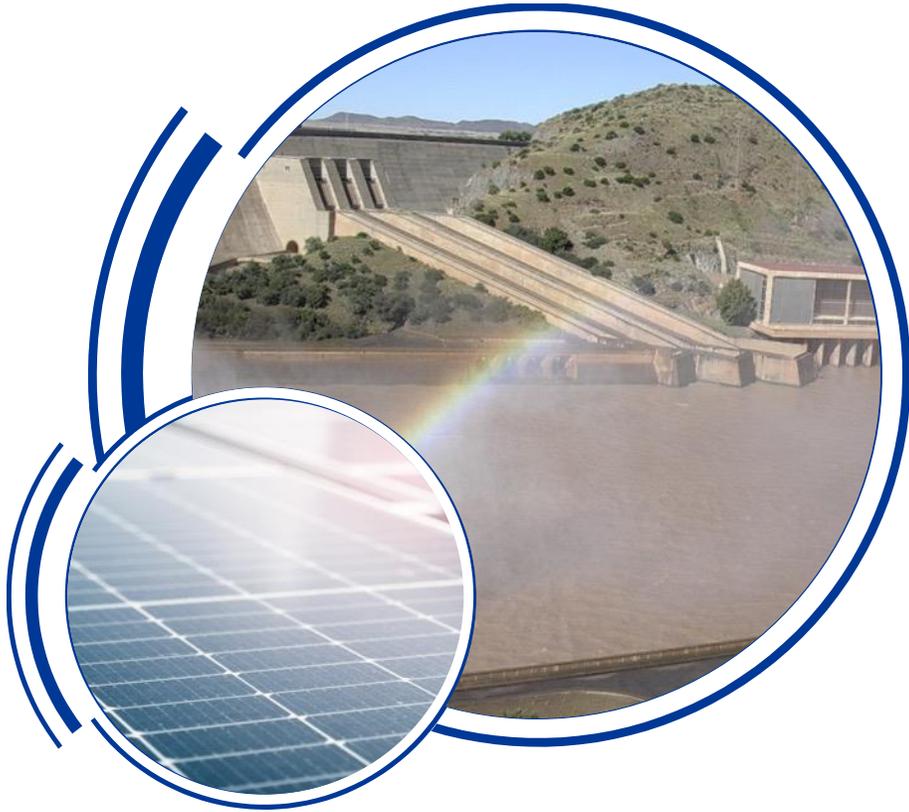
3. Functional Criteria and Returnables

5	Construction Regulations Training Course	<p>Construction / Regulations training certificate per resource. (SACPMCP AND/OR SAIOSH Certified / Accredited)</p> <p>AND</p> <p>Affidavit Confirming Employment of Resource</p>	Refer to Note 5 item 3.6 below.	Minimum = 1	<p>Total =10%</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>
6	Welder Accreditation	<p>Welder Accreditation and training certificates per resource.</p> <p>AND</p> <p>Affidavit Confirming Employment of Resource</p>	Refer to Note 5 item 5 below.	<p>Minimum = 1</p> <p>Maximum = 2</p>	<p>Total = 10%</p> <p>5% per resource</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>

3. Functional Criteria and Returnables

6	Truck Mounted Crane Operators	<p>Training certificates or Operating Permit</p> <p>AND</p> <p>Affidavit Confirming Employment Of Resources</p>	Refer to Note 5 item 6 below.	<p>Minimum = 1</p> <p>Maximum = 2</p>	<p>Total = 10%</p> <p>5% per resource</p> <p>No “part marks” will be allocated for this item. The Tenderers must comply with the criteria by submitting all the returnables.</p> <p>Exclusion of any returnables will results in a score of 0</p>
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Conclusion