

Technical Evaluation criteria for the design, supply, installation for the replacement and repairs of electrical substations MV and LV equipment
Tender Number: TE-2026-03-1061-3623-RFP



Category	Criteria	Weight	Scoring methodology	Scoring	Evidence	
1.	<p><u>Organization and staffing</u></p> <p>Reporting Structure (Organogram) to be used for this contract consisting of the Suppliers' Key staff personnel and Supporting Specialists together with their CV's, Qualifications and Professional certificates for the following:</p> <ol style="list-style-type: none"> 1. Health and Safety Officer 2. High/medium voltage authorized personnel 3. Professional ECSA accreditation Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist with Electrical Substation experience. 4. Medium voltage termination and Jointing electrician/ Medium voltage cable jointer 5. Protection systems grading specialist with Professional ECSA accreditation 	25 points	<p>1. Health and Safety Officer who possesses Operating Regulation High Voltage System (ORHVS) certificates, with a minimum of 3 years' work experience including the affidavit as stipulated in the evidence, will be five points = 5 points</p>	5 Points	<p>The bidders shall submit supporting documents as evidence for the following requirements:</p> <ol style="list-style-type: none"> 1. Health and Safety Officer who possesses Operating Regulation High Voltage System (ORHVS) certificate <p>Only valid certificates issued in accordance with EWSETA/SAIEE accreditation and Unit Standard 242766 will be accepted.</p> <p>CV with minimum of three years' experience as a Health and Safety Officer with Operating Regulation High Voltage System (ORHVS) certificate must be completed using Annexure A (Curriculum Vitae template) of the evaluation criteria. The CV document must be accompanied by a confirmatory affidavit in the format of Annexure B of the evaluation criteria.</p> <p><i>Disclaimer: Transnet reserves the right to contact the references and possible interviews with the CV holder to confirm the content of the CV.</i></p> <p>The 5 points will only be awarded to the bidders that will submit all the above requirements</p>	
			<p>1. Non-submission of all the documents as stipulated in the evidence, including Health and Safety Officer who possesses Operating Regulation High Voltage System (ORHVS), CV with minimum three years' experience including affidavit, will result in zero points = 0</p>			0 Points
			<p>2. High/medium voltage authorized personnel with a valid installation regulation certificate for High voltage systems, with a minimum of 3 years work experience including the affidavit as stipulated in the evidence will be ten points = 10 points</p>	5 Points		<p>The bidders shall submit supporting documents as evidence for the following requirements:</p> <ol style="list-style-type: none"> 2. High/medium voltage authorized personnel with a valid installation regulation certificate for High voltage systems Only a valid certificate of competency issued by Department of Employment and Labour/ EWSETA/SAIEE will be accepted. <p>CV with minimum of three years' experience as High/medium voltage authorized personnel with a valid installation regulation certificate for High voltage systems must be completed using Annexure A (Curriculum Vitae template) of the evaluation criteria. Transnet reserves the right to contact the references and possible interviews. The CV document must be accompanied by a confirmatory affidavit in the format of Annexure B of the evaluation</p>
			<p>2. Non-submission of all the documents as stipulated in the evidence, including High/medium voltage authorized personnel with a valid installation regulation certificate for High voltage systems CV with minimum of three years' experience including affidavit, will result</p>			

			in zero points = 0		<p>criteria.</p> <p>Disclaimer: <i>Transnet reserves the right to contact the references and possible interviews with the CV holder to confirm the content of the CV.</i></p> <p>The 10 points will only be awarded to the bidders that will submit all the above requirements</p>
			<p>3. Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist with a minimum of 3 years' work experience in Electrical substation including the affidavit as stipulated in the evidence will be five points = 5 points</p>	5 Points	<p>The bidders shall submit supporting documents as evidence for the following requirements:</p> <p>3. Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist.</p> <p>Only valid certificates for the duration of the project issued by ECSA will be accepted</p> <p>CV with minimum of three years' experience in Electrical Substations must be completed using Annexure A (Curriculum Vitae template) of the evaluation criteria. The CV document must be accompanied by a confirmatory affidavit in the format of Annexure B of the evaluation criteria.</p> <p>Disclaimer: <i>Transnet reserves the right to contact the references and possible interviews with the CV holder to confirm the content of the CV.</i></p> <p>The 5 points will only be awarded to the bidders that will submit all the above requirements</p>
			<p>3. Non-submission of all the documents as stipulated in the evidence, including Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist) and CV with minimum three years' experience in Electrical Substations including affidavit, will result in zero points = 0</p>	0 Points	
			<p>4. Medium voltage termination and Jointing electrician/ Medium voltage cable jointer who have completed any of the following SAQA unit standard: 58204, 113862, 243668 and CV with a minimum of 3 years' work experience in medium voltage termination and Jointing including the affidavit as stipulated in the evidence will be five points = 5 points</p>	5 Points	<p>The bidders shall submit supporting documents as evidence for the following requirements:</p> <p>4. Medium voltage termination and Jointing electrician/ Medium voltage cable jointer who have completed any of the following SAQA unit standard: 58204, 113862, 243668.</p> <p>CV with minimum of three years' experience in 5. Medium voltage termination and Jointing must be completed using Annexure A (Curriculum Vitae template) of the evaluation criteria. The CV document must be</p>

			<p>4. Non-submission of all the documents as stipulated in the evidence, including Medium voltage termination and Jointing electrician/ Medium voltage cable jointer who have completed any of the following SAQA Unit Standard: 58204, 113862, 243668) and CV with minimum of three years' experience in Medium voltage termination and Jointing including affidavit, will result in zero points = 0</p>	<p>0 Points</p>	<p>accompanied by a confirmatory affidavit in the format of Annexure B of the evaluation criteria.</p> <p><i>Disclaimer: Transnet reserves the right to contact the references and possible interviews with the CV holder to confirm the content of the CV.</i></p> <p>The 5 points will only be awarded to the bidders that will submit all the above requirements</p>
			<p>5. Protection systems grading specialist with Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical and CV with a minimum of 3 years work experience in Protection systems grading including the affidavit as stipulated in the evidence will be five points = 5 points</p>	<p>5 Points</p>	<p>The bidders shall submit supporting documents as evidence for the following requirements:</p> <p>Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist.</p> <p>Only valid certificates for the duration of the project issued by ECSA will be accepted</p>
			<p>5. Non-submission of all the documents as stipulated in the evidence, including Professional ECSA accreditation for Pr. Eng Electrical Engineer or Professional ECSA Electrical Technologist) and CV with minimum three years' experience in Protection systems grading including affidavit, will result in zero points = 0</p>	<p>0 Points</p>	<p>CV with minimum of three years' experience in Protection systems grading must be completed using Annexure A (Curriculum Vitae template) of the evaluation criteria. The CV document must be accompanied by a confirmatory affidavit in the format of Annexure B of the evaluation criteria.</p> <p><i>Disclaimer: Transnet reserves the right to contact the references and possible interviews with the CV holder to confirm the content of the CV.</i></p> <p>The 5 points will only be awarded to the bidders that will submit all the above requirements</p>

Category	Criteria	Weighting	Scoring Methodology Based on Weight	Sub-Scoring	Evidence
2.	<p><u>Project plan/schedule and timelines</u></p> <p>Detailed Project Plan clearly indicating activity descriptions, durations, milestones, start dates, finish dates, and sequencing of activities. The submitted project plan must cover all activities listed under Sections A to F below:</p> <p>A. Design and Approval for Electrical Substations drawings in conjunction with Transnet Engineering.</p> <ul style="list-style-type: none"> • Medium Voltage (MV) design activities and approval timelines. • Low Voltage (LV) design activities and approval timelines. • Submission and approval dates for drawings and technical documentation. • Review and approval milestones with Transnet Engineering. <p>B. Safety file approval for Electrical Substations in conjunction with Transnet Engineering SHEQ department.</p> <ul style="list-style-type: none"> • Submission of Health and Safety File timeline included in the project plan. • Risk assessment and method statement approval timelines. • Safety file review and approval milestones by Transnet 	25 Points	<p>The scoring of the Project Plan is based on the criteria and the required plans as stipulated under the evidence section.</p> <p>The full points will only be awarded where all activities together with all sub-activities listed in the evidence section are fully covered.</p>		<p>The Project Plan may be presented in a Schedule Plan format, Gantt Chart Schedule format, or Project Schedule Table and must include milestones, durations, clear start and finish timelines for each activity, as well as the overall project duration. The submitted evidence must cover all activities and sub-activities listed under Sections A to F below.:</p>
			A. Design and Approval for Electrical Substations drawings in conjunction with Transnet Engineering. Submission of all the requirements listed in the evidence will be five points = 5	5 Points	<p>A. Design and Approval</p> <ul style="list-style-type: none"> • Medium Voltage (MV) design activities and approval timelines. • Low Voltage (LV) design activities and approval timelines. • Submission and approval dates for drawings and technical documentation. • Review and approval milestones with Transnet Engineering.
			A. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0	0 Points	
			B. Safety file approval for Electrical Substations in conjunction with Transnet Engineering SHEQ department. Submission of all the requirements as listed in the evidence will be points = 2.5	2.5 Points	<p>B. Safety File Approval</p> <ul style="list-style-type: none"> • Submission of Health and Safety File timeline included in the project plan. • Risk assessment and method statement approval timelines. • Safety file review and approval milestones by Transnet representatives.
			B. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0	0 Points	
			C. Ordering and delivery of materials for Electrical Substation. Submission of all the requirements listed in the evidence will be five points = 5	5 Points	<p>C. Procurement and Delivery of Materials</p> <ul style="list-style-type: none"> • Procurement schedule for MV equipment. • Procurement schedule for LV equipment. • Procurement schedule for cables and accessories. • Manufacturing lead times. • Factory Acceptance Testing (FAT) milestones • Delivery milestones for all major equipment and materials.
			C. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0	0 Points	

<p>representatives.</p> <p>C. Ordering and delivery of materials for Electrical Substation.</p> <ul style="list-style-type: none"> • Procurement schedule for MV equipment. • Procurement schedule for LV equipment. • Procurement schedule for cables and accessories. • Manufacturing lead times. • Factory Acceptance Testing (FAT) milestones where applicable. • Delivery milestones for all major equipment and materials. <p>D. De-commissioning of existing Electrical Substations equipment</p> <ul style="list-style-type: none"> • Shutdown and isolation activities. • De-commissioning of MV equipment. • De-commissioning of LV equipment. • Removal of existing MV equipment. • Removal of existing LV equipment. • Disposal and site clearance activities. <p>E. Installation and Termination of new Electrical Substation equipment</p> <ul style="list-style-type: none"> • Installation of MV equipment and cabling. • Installation of LV equipment and cabling. • Protection and metering installation activities. • Cable laying and termination activities. • Earthing installation activities. • Quality inspections and hold points. 	<p>D. De-commissioning of existing Electrical Substations equipment</p> <p>Submission of all the requirements listed in the evidence will be points = 2.5</p>	2.5 Points	<p>D. De-commissioning Activities</p> <ul style="list-style-type: none"> • Shutdown and isolation activities. • De-commissioning of MV equipment. • De-commissioning of LV equipment. • Removal of existing MV equipment. • Removal of existing LV equipment. • Disposal and site clearance activities.
	<p>D. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0</p>	0 Points	
	<p>E. Installation and Termination of new Electrical Substation equipment</p> <p>Submission of all the requirements listed in the evidence will be five points = 5</p>	5 Points	<p>E. Installation and Termination</p> <ul style="list-style-type: none"> • Installation of MV equipment and cabling. • Installation of LV equipment and cabling. • Protection and metering installation activities. • Cable laying and termination activities. • Earthing installation activities. • Quality inspections and hold points.
	<p>E. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0</p>	0 Points	
	<p>F. Commissioning and Testing for Electrical Substations. Submission of all the requirements listed in the evidence will be five points = 5</p>	5 Points	<p>F. Commissioning and Testing</p> <ul style="list-style-type: none"> • Submission and approval of commissioning plan. • Pre-commissioning of MV systems. • Pre-commissioning of LV systems. • Protection testing and relay configuration. • Metering verification and testing. • Final commissioning and energisation of MV systems. • Final commissioning and energisation of LV systems. • Functional testing and system verification. • Final acceptance and handover milestones.
	<p>F. Non-submission of project plan covering all the activities as stipulated in the evidence will result in zero =0</p>	0 Points	

	<p>F. Commissioning and Testing for Electrical Substations</p> <ul style="list-style-type: none">• Submission and approval of commissioning plan.• Pre-commissioning of MV systems.• Pre-commissioning of LV systems.• Protection testing and relay configuration.• Metering verification and testing.• Final commissioning and energisation of MV systems.• Final commissioning and energisation of LV systems.• Functional testing and system verification.• Final acceptance and handover milestones.				
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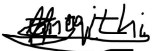
Category	Criteria	Weight	Scoring Methodology	Scoring	Evidence Required
3.	<u>Methodology Approach</u>		The scoring of the methodology approach is based on the requirements as stipulated under the evidence as follows:		The methodology approach topics listed below must be covered in full by the bidders. The submitted evidence must comprehensively address all the requirements in a methodology approach statement for the items listed below:
	The methodology approach criteria will cover the topics as indicated below: 1. MV Switchgear Dismantling and Installation Methodology 2. LV Switchgear Disconnection and Installation Methodology 3. Protection Relay Grading and Settings Methodology 4. Earthing and Lightning Protection Methodology 5. Testing and Commissioning Methodology	25 Points	The MV switchgear dismantling and installation methodology approach will be awarded full points where the bidder provides a detailed methodology as stipulated in the evidence = 5 points	5 Points	1. MV Switchgear Dismantling and Installation Methodology Detailed methodology covering the safe de-energization, removal of existing 11kV switchgear, staged replacement approach, work permit application process, oil removal and disposal, transportation to Transnet storage, installation of new incomer panels, feeder panels, bus section panel, protection relays, instrument transformers, battery charging unit, arc ducting system and associated accessories in accordance with Section 5.2.1 of the specification document.
Non-submission of methodology covering all the points as stipulated in the evidence required for the MV switchgear dismantling and installation methodology will be awarded zero points = 0			0 Points		
The LV switchgear disconnection and installation methodology will be awarded full points where the bidder demonstrates a clear methodology as stipulated in the evidence = 5 points			5 Points	2. LV Switchgear Disconnection and Installation Methodology Method statement covering disconnection, removal and transportation of the existing LV switchboard, after-hours execution plan, installation of the new LV distribution board, commissioning activities and integration with existing systems as required under Section 5.2.2 on the specification document.	
Non-submission of methodology covering all the points as stipulated in the evidence required for LV Switchgear Disconnection and Installation Methodology will be awarded zero points = 0			0 Points		
The protection relay grading and Settings Methodology will be awarded full points where the bidder provides a comprehensive protection philosophy and relay coordination methodology as stipulated in the evidence = 5 points.			5 Points	3. Protection Relay Coordination and Settings Methodology Detailed methodology covering ETAP studies, relay grading studies, protection coordination, protection philosophy development, relay configuration, specialist appointment and integration with existing upstream and downstream protection systems as required under Section 5.1 on the specification document.	
Non-submission of methodology covering all the points as stipulated in the evidence required for protection Relay Coordination and Settings Methodology will be awarded zero points = 0			0 Points		
The earthing and Lightning Protection Methodology will be awarded full points where the bidder demonstrates a complete methodology for testing, verification, design and commissioning of earthing and lightning			5 Points	4. Earthing and Lightning Protection Methodology Method statement covering earthing system integrity testing, earth resistance testing, bonding verification, lightning protection compliance assessment, redesign methodology	

			protection systems as stipulated in the evidence = 5 points		where required, installation procedures and compliance with SANS 10199 and SANS 10313.
			Non-submission of methodology covering all the points as stipulated in the evidence required for earthing and Lightning Protection Methodology will be awarded zero points = 0	0 Points	
			The testing and Commissioning Methodology will be awarded full points where the bidder provides a comprehensive FAT, SAT, testing and commissioning methodology including certification and handover procedures as stipulated in the evidence = 5 points	5 Points	5. Testing and Commissioning Methodology Detailed methodology covering Factory Acceptance Tests (FAT), Site Acceptance Tests (SAT), MV and LV testing procedures, relay testing, insulation resistance tests, functional testing, commissioning procedures, certificate of compliance handover, test documentation and final acceptance procedures in accordance with Section 5.2.3.5 on the specification document.
			Non-submission of methodology covering all the points as stipulated in the evidence required for testing and Commissioning Methodology will be awarded zero points = 0	0 Points	

Category	Criteria	Weighting	Scoring methodology based on weight	Scoring	Evidence
4.	<p><u>Company Previous experience</u></p> <p>Previous experience in design, supply, installation, testing and commissioning of Electrical MV and LV Substation equipment in the format of a reference letter or reference list.</p>	25 Points	<p>The scoring for the company's previous experience criteria will be based on the reference letters or reference list as stipulated in the evidence section. See below for point allocation:</p> <ul style="list-style-type: none"> One (1) reference letters or reference list with One (1) reference = 5 Points. Two (2) reference letters or reference list with two (2) references = 10 points Three (3) reference letters or reference list with three (3) references = 15 points Four (4) reference letters or reference list with four (4) references = 20 points Five (5) reference letters or reference list with five (5) references = 25 points 	25 Points	<p>The bidder must submit reference letters and/or a reference list demonstrating previous experience in the design, supply, installation, testing, and commissioning of Electrical MV and LV Substation equipment.</p> <p>Five (5) reference letters and/or reference list must be submitted to obtain full points. Only references for the design, supply, installation, testing, and commissioning of Electrical MV and LV Substation equipment will be accepted</p> <p>Reference letter</p> <p>The reference letter must include the client/company name, description of scope of works completed, that covers the (design, supply, installation, testing, and commissioning of Electrical MV and LV Substation equipment),verifiable contract reference number, commencement and completion dates, project value and of certificate of completion. All reference letters must be signed by the client or authorized client representative.</p> <p style="text-align: center;">Or</p> <p>Reference List</p> <p>The reference list must be completed in the format as represented under Annexure C of the technical evaluation criteria , include the client/company name, description of scope of works completed, that covers the (design, supply, installation, testing, and commissioning of Electrical MV and LV Substation equipment),verifiable contract reference number, commencement and completion dates, project value and of certificate of completion.</p>
					<p>Non-submission of all the reference letters or reference list as stipulated in the evidence will result in zero =0</p>
Total Weighting		100 Points			
Threshold		80 Points			


*Should the category threshold not be met the response will be deemed not compliant and be disqualified.

Compiled by: Zolani Mngqithi

Signature: 

Date: 26.05.2026

Reviewed by: M.Mapuko

Signature: 

Date: 26.05.2026

Approved By: Mhlonipheni Nxumalo

Signature: 

Date: 26/05/2025

ANNEXURE A - CURRICULUM VITAE TAMPLATE

Curriculum Vitae

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

Period: (incl. dates) Employer: Position Held: Summary: Reference contact number:	
Period: (incl. dates) Employer: Position Held: Summary: Reference contact number:	
Period: (incl. dates) Employer: Position Held: Summary: Reference contact number:	

9. 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>	
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Position/s Held: Activities Performed:	
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ANNEXURE B – EMPLOYMENT CONFIRMATORY AFFIDAVIT

I, _____ (full names),

ID Number: _____,

hereby confirm that I have been /currently employed at the following companies:

- 1.
- 2.
- 3.
- 4.

_____ (Tendering Company Names).

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:

ANNEXURE C – REFERENCE LIST TEMPLATE

Description of previous Project	Client/company name	Contact reference Number	Project Value	Contractual commencement date	Contractual completion date	Date of certificate of completion