

ESKOM MEGAWATT PARK (MWP) PERIMETER SECURITY FENCE UPGRADE

TENDER NUMBER: MWP2619CX TECHNICAL EVALUATION CRITERIA AND WEIGHTINGS

	Mandatory Technical Criteria Description	Y/N	Motivation for use of Criteria
1.	Energy & Water Sector Education Training Authority (EWSETA) Registered Qualification Certified Electric Fence System Installer (EFSI) in compliance with the Occupational Health and Safety Act's Electrical Machinery Regulations (85 of 1993). Certification (Electric fence system certificate of compliance).		Electrical Requirement to ensure all works conform to specific SANS regulations. Safety.
2.	The tenderer shall be registered with Private Security Industry Regulator Authority (PSIRA). Valid proof of registration to be submitted.		Mandatory Security Requirement

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
Electrical			100	
1.1	Project Electric scope Installation Methodology	SANS 10222-3:2016	5 If methodology is supplied AND all aspects are satisfactory.	10%

			<p>2 If methodology is supplied but all aspects are not satisfactorily explained.</p> <p>0 If not provided</p>	
1.2	Electric fence system designer (ECSA registered as a professional). Proof of registration to be submitted (ECSA).	SANS 10222-3:2016	<p>5 If Proof of ECSA registration is supplied AND all aspects are satisfactory.</p> <p>0 If Proof of ECSA registration not provided</p>	10%
1.3	<p>Scope of Works:</p> <p>The Security Electric Fence prelim design. High level electric fence design depicting zones, positions of energizers, etc., components, wiring and cabling - SANS 10222-3:2016.</p> <ul style="list-style-type: none"> the design of bracket, insulators and pole shall comply with SANS 10222-3:2016, energizers shall be certified in accordance with SANS 60335-2-76. by an accredited laboratory such as the South African National Accreditation System (SANAS). provide prelim design calculations, cable sizes, conductor sizes and drawings. 	SANS 10222-3:2016	<p>5 If calculations are supplied AND all aspects are satisfactory.</p> <p>2 If calculations are supplied but all aspects are not satisfactory explained.</p> <p>0 If not provided</p>	40%
1.4	<p>Earthing and lightning protection methodology</p> <p>An earthing test certificate shall be issued by the contractor on completion of each installation. Earth</p>	SANS 10222-3:2016	5 If proof of installation certificate of specialist is supplied AND all aspects are satisfactory.	10%

	<p>resistivity varies with soil composition, moisture content of the soil and temperature.</p> <p>Moisture and temperature are more constant deeper down in the earth, so it is important that earth spikes are driven into the ground to their full length. Lightning protection requirements for electric fences, Lightning arrestors shall comply with SANS 10222-3:2016.</p> <p>The <i>Contractor</i> shall procure the services of a lightning protection and earthing specialist contractor to ensure that all the installations covered in this document are effectively earthed and bonded.</p>		0 If not provided	
1.5	<p>Testing and Certification</p> <p>Detailed track record, ability to issue Electrical Fence COC's (EFSI), sample ITPs & configuring the current energizers.</p> <p>Security electric fencing testing procedures: Installation tests for monitoring systems SANS 10222-3:2016</p> <p>The earth short test: The "live" loop is to be electrically continuous.</p> <p>Certification (electric fence system certificate of compliance); original valid electric fence system certificate of compliance. A map of the electric fence prelim installation, clearly showing various aspects of the installation shall be attached to the test report.</p>	363-ERE-AABZ28-SP0004-20 Eskom Mega Watt Park Perimeter Security Upgrade Project Technical Specification	<p>5 If test results are supplied AND all aspects are satisfactory.</p> <p>2 If test results are supplied but all aspects are not satisfactory explained.</p> <p>0 If not provided</p>	10%
1.6	<p>Relevant Contactable Project References</p>	NEC Works Information	<p>5 if all acceptable</p> <p>4 if 1 is not acceptable.</p>	14%

	<p>Three (3) Reference letters from Clients both signed and stamped on work of a similar nature completed in past seven (7) years. The tenderers shall submit proof of Energised fence installations.</p> <p>The references must be related to Electrical Design Work. The letter should contain contact details of the client, project name, value (Original Value and Final Account Value) and duration (the original contract duration and the actual project execution duration)</p> <p>Appointment letters and Purchase Order (PO) documentation to be submitted</p>		2 if 2 are not acceptable	
1.7	<p>Experience of key staff:</p> <p>Tenderer to demonstrate that they have competence in all disciplines by providing all CVs, qualifications, and Professional Registration Certificates, Accreditations for start members targeted for the project. This will include letter of good standing, their councils, minimum experience required for discipline and necessary training or qualifications for their role:</p> <ul style="list-style-type: none"> Project / Construction Manager Professionally Registered with minimum of 5 years' experience. 	NEC Works Information	<p>5 If CV's are supplied AND all aspects are satisfactory.</p> <p>2 If CV's are supplied but all aspects are not satisfactory explained</p> <p>0 If not provided</p>	2%
1.8	<p>Experience of key staff:</p> <p>Tenderer to demonstrate that they have competence in all disciplines by providing all CVs, qualifications, and Professional Registration Certificates, Accreditations for start members targeted for the project. This will include</p>	NEC Works Information	5 If CV's are supplied AND all aspects are satisfactory.	2%

	<p>letter of good standing, their councils, minimum experience required for discipline and necessary training or qualifications for their role:</p> <ul style="list-style-type: none"> Design Engineer – Qualifications and Professional Registration with five (5) or more years' experience in a similar environment. 		<p>2 If CV's are supplied but all aspects are not satisfactory explained</p> <p>0 If not provided</p>	
1.9	<p>Tenderer to demonstrate that they have competence in all disciplines by providing all CVs, qualifications, and Professional Registration Certificates, Accreditations for start members targeted for the project. This will include letter of good standing, their councils, minimum experience required for discipline and necessary training or qualifications for their role:</p> <ul style="list-style-type: none"> Quality - Qualifications with five (5) or more years' experience in a similar environment. 		<p>5 If CV's are supplied AND all aspects are satisfactory.</p> <p>2 If CV's are supplied but all aspects are not satisfactory explained</p> <p>0 If not provided</p>	2%
<p>70% THRESHOLD</p> <p>Tenderers who do not meet the threshold for functionality scoring will be disqualified and will not be evaluated any further.</p>				TOTAL: 100