REQUEST FOR QUOTATION

SENTECH INVITES SUPPLIERS FOR:

Project title:	**Appointment of a service provider to supply, install and maintenance of Energised Perimeter Intruder Detection Fence (Electrified fence) at Sentech Sender Technology Park (STP)**		
Quotation or Proposal no:	**RFX60000001540**		
Date of Issue	**18 October 2023**		
Briefing Session Date and Time	**31 October 2023 @ 10:00 on Teams. Briefing is compulsory**		
Closing date:	**08 November 2023**		
Closing time:	**12pm**	**Validity period:**	**30 days**

You are invited to provide a quote to carry out the deliver the goods, services or works defined in Annexure 1 attached.

QUOTATIONS OR PROPOSALS TO BE RETURNED TO:

Quotations Administrator	**Lungile Sithole**		
Telephone no:	**067 427 0326**	**Fax no:**	**n/a**
E-mail:	**Quotations5@sentech.co.za**		
The physical address of the SENTECH Office where quotation can be submitted to:	Quotes to be submitted by email		

Form of Offer and Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the services as stated in the RFQ: Scope of Work

The Service Providers, identified in the Offer signature block, has examined the documents listed in the RFQ and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of this RFQ.

By the representative of the Service Provider, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the Service Provider offers to perform all of the obligations and liabilities of the RFQ under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the RFQ.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS:

(inwords) …….. ……Rand;

R……(in figures)

THE OFFERED PRICES ARE AS STATED IN THE PRICING SCHEDULE

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the Service Provider before the end of the period of validity stated in the RFQ, or other period as agreed.

Signature(s)		
Name(s)		
Capacity		
For the tenderer:		
	(Insert name and address of organisation)	
Name & signature of witness		Date

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Service Providers Offer. In consideration thereof, the Employer shall pay the Service Provider the amount due in accordance with the conditions of the RFQ. Acceptance of the Service Providers Offer shall form an agreement between the Employer and the Service Provider upon the terms and conditions contained in this RFQ.

Deviations from and amendments to the documents listed in the RFQ and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the Service Provider and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The Service Provider shall within two days of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Employer's agent to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the RFQ. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the Service Provider receives one fully completed original copy of this document, including the Schedule of Deviations (if any).

Signature(s) .....

Name(s) .....

Capacity .....

for the Employer .....

(Insert name and address of organisation)

Name & signature of witness .....

Date .....

RFQ Data

1. ADMINISTRATIVE RESPONSIVENESS CRITERIA

Suppliers are required to ensure that they meet all the Administrative Responsiveness Criteria. Suppliers that do not meet all the Administrative Responsive Criteria may not be awarded this Quote. It is the service provider's responsibility to ensure that Sentech is in possession of a valid and original tax clearance certificate.

1.1. Supplier's providing quotations must be registered on the Sentech Supplier Database. (if not registered the bidder MUST complete the attached Sentech Supplier Registration Forms)

1.2. Quotations or Proposals must be received on or before the closing date and time specified on the Call for Quotation or Proposal document.

1.3. Quotations or Proposals must be fully completed and signed in BLACK ink.

1.4. Quotations can be submitted via Email, Fax or Hand Delivery.

2. EVALUATION CRITERIA

The evaluation criteria are stipulated in Section 4. It is the Suppliers responsibility to ensure that it has responded to the evaluation criteria. Failure to meet the evaluation criteria may result in the Supplier being disqualified from being appointed. Suppliers must ensure that they have included all supporting documentation, especially the documentation that may be required to support the response to the evaluation criteria.

3. RFQ EVALUATION METHOD

This RFQ will be evaluated as described in the table below.

Evaluation Method	**1. Stage 1 – Administrative Responsiveness Evaluation** All the Quotations will be evaluated against the **administrative responsiveness requirements** as set out in section 1 of the RFQ Data. **2. Stage 2 - Mandatory Evaluation** Those proposals that are administratively responsive will then be evaluated against the Mandatory Evaluation Criteria(table1) and Functionality Criteria (Table 2). Suppliers must COMPLY FULLY with all the mandatory evaluation criteria in-order to be evaluated further. **3. Stage 3 – Price and Preference** Suppliers with the lowest Price offered will score the highest points. Only Suppliers that submit a valid B-BBEE Certificate can claim preference points in line with the 80/20 Suppliers with the highest number of points will be recommended for the award of this quotation, unless there are compelling and justifiable reasons not to do so.

4. EVALUATION CRITERIA

4.1. TECHNICAL EVALUATION CRITERIA

4.1.1. Mandatory Evaluation Criteria (Stage 2)

The follow in criteria is mandatory and proof of submission must be attached: Failure to attach proof will lead to disqualification.

MANDATORY ELIGIBILITY CRITERIA	**PLEASE TICK √ WHATS APPLICABLE** (Attach evidence and Link, reference page number in your proposal)
Valid proof of PSIRA registration of the Company	Attach valid PSIRA company certificate
Valid proof of PSIRA registration of the Director/s	Attach valid PSIRA director/s certificate/s
Valid proof of PSIRA letter of good standing	Attach valid PSIRA letter of good standing
All technicians & at least one Engineer must be at least a grade C PSIRA member.	Attach CV's and PSIRA certificates of technicians + Engineer
Company to provide an accredited electrician to issue a COC after installation of systems.	**Attach copy of a Wireman's licence (three phase)**
Earthing System location-concept	Show system diagram
Valid proof of COIDA letter of good standing	Attach valid letter of good standing
NOTE: Bidders that do not comply with all the above criteria will not be evaluated further.	

4.2. **Functional / Quality criteria (applicable)(Stage 3)-**

Functional Evaluation: Must be comprehensive and supported by evidence.

No	**Functionality Criteria**	**Documents required**
1.	Provide proof that the products offered have a minimum 5-year guaranteed life-cycle. Less than 12 months guaranteed life-cycle ……0 point 1 – 2-year guaranteed life-cycle ……1 point. 3 – 4-year guaranteed life-cycle……..5 points. 5-year guaranteed life-cycle or more…....10 points **= 10 Points**	**OEM letter**
2.	Company to provide OEM test procedure documentation that will be used for final test & handover. **=5 Points**	**Copy of acceptance test guidelines**

3.	Company to provide commissioning, testing, handover, training methodology documentation **–** **Methodology documentation** - **Excellent:** The proposed methodology covers all elements of design, commissioning, testing, handover, training of the system. The methodology has exceptional merit and reflects an excellent approach which should clearly result in full attainment of all requirements in the specification. The methodology is clear and precise and demonstrates the bidders complete understanding of Sentech needs. The proposed methodology contains innovative elements and additional functionality that will provide Sentech value add on its requirements. **= 20 Points** - **Average:** The proposed methodology has some merit and reflects a typical approach which will result in some of the key requirements in the specification being achieved. The proposed methodology is fairly clear and demonstrates the bidders reasonable understanding of Sentech needs. The proposed methodology just meets Sentech requirements. **= 10 Points** **Poor:** The proposed methodology will not be capable of meeting Sentech's; requirements and specification. The proposed methodology has multiple weakness and deficiencies. The proposed methodology is considered a high risk, lacks clarity and precision and indicates a lack of understanding by the bidder of Sentech requirements. **= 0 Points** **= 20 points**	**Attach commissioning, training documents**
4.	Does the Electrified fence controller zoning interface directly with the CCTV VMS system **= 5 Points**	**System topology**
5.	Provide a minimum of 2(two) accredited Technicians with a minimum of 1-year experience. The above resources must be fully qualified (accredited) to install the Electrified Fence system offered. Less than 12 months ----------0 points 1 – 2 years----------2 points 3 – 4 years --------- 3 points 5 and above----- 5 points **The experience is applicable from the date of the RFQ advertisement.** **= 10 Points**	**OEM Certificates + detailed CV's**
6.	Provide a minimum of 1(one) accredited Engineer with a minimum of 1-year experience. The above resources must be fully qualified (accredited) to design Electrified Fence system offered. Less than 12 months ----------0 points 1 – 2 years----------2 points 3 – 4 years ---------3 points 5 and above----- 5 points **The experience is applicable from the date of the RFQ advertisement.** **= 5 Points**	**OEM Certificates + detailed CV's**
7.	Provide a guarantee against lightening damage for a minimum period of 2 years from handover. Less than 12 months ----------0 points 1- 2 years' guarantee----------1 point 3 - 4 years' guarantee ----------3 points 5 years guarantee or more-----5 points. **= 5 Points**	**OEM Certificate**
8.	Provide a detailed project plan of the electric fence system offered, with timelines. 0-3 months project duration……..10 3- 6 months project duration…….5 More than 6 months project duration……0 **= 10 Points**	**Attach Project plan**
	Total points	**70**
	Minimum score to qualify for further evaluation	**50**

4.3. Technical Evaluation (Stage 4) - Not Applicable

	Item Description	Score	Comments	Proof required

***Bidders must complete the two annexures attached with this document.(.i.e. Annexure 1- Compulsory covering sheet and Annexure 2- Technical evaluation).**

4.4. RISK ASSESSMENT (Stage 5)- Applicable

All bids that meet the minimum qualifying score for technical evaluation may undergo a risk assessment based on the following framework:

- Any aspects that emanate from the bidders' individual responses
- Any information received from past references
- Site Visit of similar work done
- Assessment of Financial Statements

Sentech may disqualify bidders based on the outcome of the risk assessment.

4.5. Evaluation of Price and Preference (Stage 6)- Applicable

This Bid will be evaluated on a points system based on weighted average score for Price and Preference as per Preferential Procurement Framework Act of 2000 (Act 5 of 2000).

4.5.1. The price / preference weighting applicable for RFQ are as follows:

Price / Preference	**Points**
Preference:	**20**
Price:	**80**
Total must equal:	**100**

4.5.1.1. Preference Point allocation – 80/20

Sentech's Specific goals emanate from the section 2(1)d of the Preferential Procurement Policy Act which may include contracting with persons or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability. The Reconstruction and Development Programme as published in Government Gazette No 16085 dated 23 November 1994

Sentech will award preference points as follows:

Goal	Points	Evidence required
Historically disadvantaged by unfair discrimination on the basis of Race	10	BBBEE Certificate showing at least 51% black ownership
Historically disadvantaged by unfair discrimination on the basis of Gender (women)	8	BBBEE Certificate showing at least 30% women ownership
Historically disadvantaged by unfair discrimination on the basis of disability	2	A doctor's note confirming disability

4.5.1.2. Price Calculation 80/20

The following formula will be used to calculate the points for price.

$$Ps = 80\left[1 - \frac{(Pt - Pmin)}{Pmin}\right]$$

Where:

Ps	=	Points scored for price of bid under consideration
Pt	=	Rand value of bid under consideration
Pmin	=	Rand value of lowe

APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY, INSTALL AND MAINTAINANCE OF THE ENERGISED PERIMETER INTRUDER DETECTION FENCE (ELECTRIFIED FENCE)

1. BACKGROUND

Sentech is a state-owned company and is the largest broadcasting signal distributor in South Africa. Sentech is a licensed Electronic Communications Network Service provider in South Africa. It currently operates many telecommunication networks for Satellite, Television, Radio, Internet and more. As such, Sentech is a global enabler of broadcasting and digital content delivery.

Scope of Work	The scope of work is to supply, install and maintenance of **Energised Perimeter Intruder Detection Fence (Electrified fence)** at Sentech Sender Technology Park (STP) The service provider must ensure that a maintenance schedule is in place and shall carry out the full maintenance of the system. A copy of the maintenance schedule shall be provided to Sentech. All work and equipment shall be in accordance with the approved SABS Standards and shall comply with the Occupational Health and Safety Act, No 85 of 1993 and current regulations of all other codes applicable to this work. Twelve (12) month guarantee period Professional services included under this scope of work to be performed by the service provider should include, but are not limited to, the following. **1. <u>Technical Specification for Energised Perimeter Intruder Detection Fence</u>** 1.1. The physical fence part of the Energised Intruder Detection System shall be a multi-wire Energised Fence (EF) which consists of a horizontally spaced grid of conductive wires supported by a specially made carrier fence. This will comprise of insulated components exclusively used for a security fence and support posts retro-fitted to an existing high security solid and/or mesh type fence or wall. 1.2. The system shall be installed in accordance with the manufacturer's installation instructions and will comply to NKP requirements. 1.3. The operating voltage for the energised fence shall be a high voltage short duration pulse, managed and continually monitored to deter intrusion by giving any intruder a safe high voltage (HV) pulse should they touch any part of the grid of conductive wires whilst earthed or in contact with other conductive elements. 1.4. The system shall provide an optional reduced voltage operating mode (Low Feel) to provide full detection capability as per high voltage but with reduced deterrent.

	1.5. All EF wires must deliver a safe deterrent pulse to an intruder touching a wire and earth or attempting to penetrate between any adjacent wires. 1.6. The EF system shall contain intermediate insulating posts at a spacing not greater than 3m to minimise ability to spread the grid of conductive wires creating a viable opening in the EF. 1.7. Intermediate insulating components shall have a minimum electrical tracking distance of not less than 80mm. 1.8. Intermediate insulating components shall have no area where the conductive wires can be trapped easily between insulator surfaces of the insulating components if the conductive wire is demounted from its nominal position on the insulating component. 1.9. Shielding of insulating components should be designed to direct the conductive wire to an earth contact to maximise alarm generation if the conductive wire is demounted from its nominal position. 1.10. The retention mechanism of the conductive wire on the insulating components shall be designed to 'break away' during climbing attempts where a load greater than 30kg is applied is a direction down and away from the physical fence structure. 1.11. All structural climb points must be fitted with extra alarm monitored and anti-climb protection against intrusion. 1.12. The system shall be attached to the inside of the existing inner ClearVu and access gates. The barrier security fence provides a physical separation barrier between the general public and the exposed pulsed HV conductors. 1.13. Unless otherwise specified, the conductive wires shall extend at least 0.6 metres above the top of the existing barrier security fence fabric or a minimum of 1.0 metre above a wall. 1.14. Each energised fence circuit on same fence control device must be capable of being operated independently. 1.15. Where two fence circuits are operating within the same detection zone, shorting of one conductive wire to earth or another conductive element (excluding second conductive wire) should not affect the performance and detection of the second conductive wire. 1.16. Each access gate or perimeter access door shall be fitted with a switching device that will detect and then annunciate the opening of the gate/door within 50mm. The switching device and/or attached controls shall ensure all high voltage pulses on or round the gate/door are effectively shorted to earth or disabled at the Fence Controller. 1.17. Opening of a perimeter access door or gate should annunciate an alarm condition on the system and inhibit the deterrent pulses on that gate. 1.18. Each active fence circuit shall be individually configurable for all functionalities.

	1.19. Zone configuration shall be interface to other systems such as the site CCTV systems. 1.20. Anti-climb configuration at strain points shall be provided, above the physical barrier. The fence circuit shall be routed around strain posts and connected to strainers such that it forms part of the continuous electrical circuit and does not constitute a parallel, redundant or dead-end path. 1.21. Re-tensioning of fence wires must be possible without the need to reposition anti-climb elements. 1.22. The anti-climb loops/links are to be supported at the back of the strain post with a separate short length of the security post. 1.23. All joints between conductive elements in a fence circuit shall be clamped and not rely solely on tension of the conductive wire to maintain the integrity of the electrical connection. This excludes the external pressure contact between gate switch halves. 1.24. Galvanised security posts embedded in concrete should be epoxy coated with contiguous paint film from the embedded end of the post to 100mm above the finished concrete level. 1.25. All metal components of the system must be protected against the environment through the use of aluminium alloy, or steel with zinc-based galvanising. 1.25.1.1. Copper based components are NOT permitted. 1.25.1.2. Stainless steel should not be mechanically or electrically coupled to aluminium or zinc galvanised components without measures to prevent galvanic corrosion. 1.26. Fine pitch tensioning capability shall be provided for ease of adjustment during installation and maintenance. 1.27. Re tensioning of fence wires must be possible without the need to reposition the configuring links. 1.28. Where springs are attached to the grid of conductive wires, an indication of the tension of the conductive wire must be clearly visible on the spring device. 1.29. Springs used in the tensioning of the conductive wire should be of a single continuous wire which forms part of the conductive circuit. 1.30. Any spring which forms part of the conductive circuit should have a means of physically limited the length of extension of the spring. 1.31. Within each active fence circuit there shall be no parallel, redundant or dead-end paths. 1.32. Each conductive fence wire shall be capable of deterring and detecting potential intruders by means of a high voltage pulse and detecting the following types of attack: 1.32.1.1. Cutting or disconnecting any wire.

	1.32.1.2. Shorting any wire to ground on the support fence. 1.32.1.3. Shorting adjacent but different polarity wires. 1.32.1.4. Shunting the wires with an electrically conductive material to reduce the pulse voltage. 1.33. Each active fence circuit shall be always monitored whilst operating in one or more of the following operating modes: 1.33.1.1. High voltage with monitoring. 1.33.1.2. High voltage disabled, **with monitoring only**. (On the Northern side of the fence boundary) 1.33.1.3. Monitoring as defined above and the alarm triggering the high voltage operating mode for a pre-set period. 1.33.1.4. Low Feel with monitoring. 1.33.1.5. Low Feel disabled, with monitoring. 1.33.1.6. Monitoring as defined above and the alarm triggering the Low Feel operating mode for a pre-set period. 1.33.1.7. Low Feel Mode and the alarm triggering the high voltage operating mode for a pre-set period. 1.34. The system shall be configured in accordance with the specific contract drawings. 1.35. The system shall generate an alarm within 4 seconds if any one wire is cut or continuously short circuited to an adjacent wire or to earth. 1.36. The shorting together of any wires or cutting of any wires shall have no impact on the deterrent or detection capability of the remaining active fence circuits and zones. 1.37. The shorting together of any wires, or cutting of any wires shall raise an alarm at the Security Management System Software 1.38. The system shall detect all attempts by an intrusion pressure of more than 35kg on a single wire, to penetrate or scale the protected fence under any environmental conditions. 1.39. The system shall generate minimal nuisance alarms in any environmental conditions of wind, rain and temperature, nor from wildlife of less than 5 kg (birds, rabbits, foxes etc.) 1.40. The system shall have a False Alarm Rate (FAR) no greater than 1 false alarm per fence line kilometre per week. 1.41. All high voltage, and Low Feel, pulses shall be synchronised so that the pulses on adjacent fence sections do not occur at a time interval less than permitted in the reference standards. 1.42. When specified, local control at Field Cabinets shall be provided via Alarms Management Terminals. 1.43. Fully adjustable lightning diverter and protection devices shall be connected to each electric fence circuit connection. A separate

	ground or earthing system must be provided with a physical separation of 10m from any other earthing system. 1.44. Where the EF abuts to, attaches to or passes over any metallic structure, the structure must be grounded or earthed using a separate earthing system. The EF must have a physical separation of 2m from any other earthing system. 1.45. When specified, the energised fence must be capable of interfacing with an emergency shutdown system, which in the event of an incident will electronically deactivate and isolate the high voltage deterrent pulses on the conductive fence wire array. 1.46. The interface shall be a fail-safe interface, carried out at each of the Field Cabinets to minimise dependency on site communication systems. 1.47. The system manufacturer shall support the product for a minimum period of 10 years from the time at which the product is superseded. 1.48. The system must be formally inspected and assessed by a manufacturer approved representative, to the manufacturer's published standard. 1.49. Full system documentation meeting the manufacturer's compliance minimum quality and safety codes and instruction must be provided to the system end user representative. 1.50. Full system operation and maintenance training must be provided to the end user. 1.51. An annual preventative maintenance program must be provided to check and maintain the energised security fence system to an operational and safe condition. 1.52. Electrified fence to be installed on the inside of the existing ClearVu fence
Terms and Conditions	**SENTECH reserves the right to** • Extend the closing date; • Verify any information contained in a response; • Request documentary proof • Cancel or withdraw the requirement • To limit communications to only those Service Providers who meets the requirements. • This request will be subject to the General Conditions of Contract issued in accordance with Treasury Regulation 16A published in terms of the Public Finance Management Act, 1999 (Act 1 of 1999). The Special Conditions of Contract are supplementary to that of the General Conditions of Contract. Where, however, the SCC conflict with the GCC, the SCC shall prevail. • The successful Service Provider may only enter into a subcontracting arrangement with the approval of SENTECH. The successful Service Provider may not subcontract more than 30% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level of contributor than the Service Provider concerned, unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract.

	• SENTECH reserves the right to request a BBBEE transformation plan with clearly defined timelines and milestones if the recommended Service Provider does not meet SENTECH's transformation goals. These milestones must be achieved over the term of the contract. This transformation plan shall be submitted within 10 working days from the written request, failing which SENTECH reserves the right to withdraw its appointment of the preferred recommended Service Provider. • SENTECH shall have the right, at its sole and exclusive discretion, upon written notice to the Service Provider, to terminate this Agreement, in whole or in part should the SERVICE PROVIDER fail to perform any of its obligations or deliver any deliverable timeously or should SENTECH not be satisfied with the quality of any service/s in terms of this Agreement, to the satisfaction of SENTECH. • SENTECH shall furthermore have the right, as a result of such termination, to appoint a third party to perform the obligations of the Service Provider in terms of the Agreement and the Service Provider indemnifies SENTECH against all costs incurred by SENTECH in appointing such third party to fulfil the obligations of the Service Provider. • SENTECH shall have the right, at its sole and exclusive discretion, to terminate this Agreement, at any time, upon 30 (thirty) days' written notice to the Service Provider. • SENTECH reserves the right to conduct supplier due diligence at any time pre, during and post the contract period. This may include announced or unannounced site visits. • Key resource provided in response should be engage in the project, should there be resource changes the resource levels must be equivalent to the resources in the proposal, with notice and acceptance by SENTECH be understood as special condition of contract. • Service Level Agreement will be signed with the successful Service Provider. • SENTECH will renew the contract annually based on satisfactory performance review.

PRICING
Price List (see attached BOQ)

Description		
	Sub Total	
	Total (Including vat)	