



Tender

Phase 1 and 2 Upgrades of 11kV Electrical Infrastructure – Zone 1A

At the

East London Industrial Development Zone

CONTRACT NO: ES/18/ELEC/PHASE 1&2/Z1A

VOLUME A (1 of 2): TECHNICAL PROPOSAL

**Phase 1 and 2 Upgrades of 11 kV Electrical
Infrastructure – Zone 1A**

East London IDZ
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NOTE: DO NOT SPLIT/UN-BIND THIS DOCUMENT

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PART 1

THE TENDER

CONTRACT NO: ES/18/ELEC/PHASE 1&2/Z1A

**PHASE 1 AND 2 UPGRADES OF 11 kV
ELECTRICAL INFRASTRUCTURE – ZONE 1A**

1.1 TENDERING PROCEDURES

1.1.1 Introduction

1.1.2 Tender Notice and Invitation to Tender

1.1.3 Tender Data

1.1.1 INTRODUCTION

The East London Industrial Development Zone SOC Ltd (ELIDZ) is the duly appointed operator of the East London Industrial Development Zone, a multi-million-rand infrastructure and bulk services development initiated by the Department of Trade and Industry (DTI) that is part of the government's micro-economic reform strategy. ELIDZ was designated as a Special Economic Zone in 2016 and was the first to receive an operator's permit from DTI.

The East London Industrial Development Zone is located on Buffalo City's West Bank adjacent to the existing East London port and airport, and much of the Phase 1 infrastructure and bulk services required for the development have been completed.

As the East London Industrial Development Zone is now operational, tenders are hereby invited from relevant service providers for the provision of services for the upgrade of the 11 kV electrical distribution infrastructure within Zone 1A area.

1.1.2 **TENDER NOTICE AND INVITATION TO TENDER**

The East London Industrial Development Zone SOC Ltd is the operator of the East London Industrial Development Zone (ELIDZ), an entity that exists to help manufacturers to become globally competitive through the development and efficient management of a modern, purpose built industrial location, which offers investing industries a streamlined business environment enhanced by a range of supporting services. The zone is already operational and currently houses a number of manufacturers that supply products for the local and international markets.

SCOPE OF WORK

Tenders are hereby invited from suitably qualified and experienced service providers for Phase 1 Upgrade of 11 kV Electrical Infrastructure (Zone 1A) in the East London Industrial Development Zone, located at our facilities within the West Bank area of the Buffalo City Metropolitan Municipality.

The successful tenderer will be required to enter into seven month contract for the provision of Phase 1 - UPGRADE TO 11KV ELECTRICAL INFRASTRUCTURE TO SUPPLY THE SUPPLY THE NEW MANUFACTURING FACILITY and a twelve months contract for Phase 2 – ADDITIONAL 11KV UPGRADES, within the East London Industrial Development Zone SOC (Pty) Ltd.

Tender Reference No.	Tender Description / Name	Compulsory CIDB Grading Required	Closing Date / Time
ES/18/ELEC/PHASE 1&2/Z1A	Phase 1 and 2 Upgrades of 11 kV Electrical Infrastructure – Zone 1A	5EP	16 August 2018 12:00 (noon)

The following is the summarized scope of work:

WORKS AT LEACHES BAY SUBSTATION – Phase 1

1. Reposition the AC/DC Panel at Leaches Bay switching room to a new position as indicated on the drawing LB-PL;
2. Install 4 x 11kV 800A CB Panels at Leaches bay substation switching room as per LB Panel layout drawing LB-PL;
3. Install 4 x MV Feeder protection schemes (3RF1100 or equivalent) near the control panels indicated in drawing LB-PL ;
4. Integration of feeder metering into the existing metering panel near the control panels indicated in drawing LB-PL;
5. Cabling between panels (Feeder panel, switchgear, ACDC, etc.) as indicated in the drawings.

WORKS AT SWITCHING STATION SS 1A1 – Phase 1

1. Extend the Switching Station building as indicated in drawings SS1A1-P and SS1A1-XS;
2. Install 2 x 11kV 1250A CB Panels as per the panel layout (PL) drawing and re-label the board as indicated in drawing SS1A1-PL;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.

WORKS AT SWITCHING STATION SS 1A2 – Phase 2

1. Extend the Switching Station building as indicated in drawings SS1A2-P and SS1A2-XS;

2. Install 2 x 11kV 1250A CB Panels as per the panel layout (PL) drawing and re-label the board as indicated in drawing SS1A2-PL;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.

WORKS AT SWITCHING STATION SS 1A3 – Phase 1

1. Extend the Switching Station building as indicated in drawings SS1A3-P and SS1A3-XS;
2. Install a new 11kV MV Board section at SS 1A3 as per the panel layout drawing SS1A3-PL and link to the existing section;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.
4. Testing and commissioning of available panels that might be free issued by ELIDZ

WORKS AT SWITCHING STATION SS 1A4 – Phase 2

1. Extend the Switching Station building as indicated in drawings SS1A4-P and SS1A4-XS;
2. Install a new 11kV MV Board section at SS 1A4 as per the panel layout drawing SS1A4-PL and link to the existing section;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.
4. Testing and commissioning of available panels that might be free issued by ELIDZ

AC/DC BOARD

1. Install new AC/DC panel with integrated charger and battery cabinet (if applicable)
2. Cabling for supply of new panels from the new AC/DC Board (if applicable)

SITE WORKS (as per drawing ELIDZ-SLD)

1. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) and applicable joints and terminations between Leaches Bay and Switching Station SS 1A1;
2. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) between Leaches Bay and Switching Station SS 1A3;
3. Install 2 x 11kV, 3core-240mm² XLPE, SWA copper cables (outgoing feeders) between the Switching Station SS 1A1 and SS 1A3 for supply to the new Automobile Supply Park (ASP), achieved by looping both cables in and out of ASP station.
4. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) between Leaches Bay and Switching Station SS 1A3;
5. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) and applicable joints and terminations between SS 1A3 and Switching Station SS 1A4;

BRIEFING MEETING

Note: A compulsory Briefing or Site Clarification Meeting with representatives of the Employer will take place at ELIDZ HQ Auditorium on 31 July 2018 starting at 10h00. Participants arriving more than 15 minutes late from start time will not be allowed to attend the meeting

BID CONDITIONS:

- Tenderers are required to submit a Valid SARS Tax Clearance Certificate with their tender, or the relevant SARS pin code which will allow the ELIDZ to confirm the tenderers tax status on-line.
- Tenderer must be registered on Central Supplier Database (CSD) from National Treasury and MAAA number must be provided

- ❑ Tenderers should submit a valid original or certified B-BBEE certification. Companies with annual turnover less than R10 million to submit an accountant or SARS letter confirming turnover.
- ❑ Tenderers to provide certified copy of Company Registration Certificate
- ❑ Tenderers to provide Letter of Good Standing from Compensation Commissioner
- ❑ Tenderers must submit technical and financial proposals in two separate envelopes clearly marked “Envelope A -Technical Proposal “and “Envelope B – Financial Proposal”. The financial proposal will only be opened should the technical proposal be found to be acceptable.
- ❑ Non- signed “Form of Offer” the financial proposal in “Envelope B” submission will result in the disqualification of the tender.
- ❑ Inclusion of Price Offer and/ or any other price related details in “Envelope A -Technical Proposal “will result in the disqualification of the tender.
- ❑ The successful Tenderer will be required to have sufficient and competent staff available to commence full time operations in accordance with the contract with effect from the Commencement Date, failing which the contract will be awarded to the next most preferred Tender.
- ❑ Registration with the CIDB (Construction Industry Development Board) in the category **5EP** is compulsory for companies wishing to submit tenders
- ❑ Tenderers are advised that preference will be given to those companies which have local (East London) operational office in place at the time of the contract award.
- ❑ Submit signed declaration of **90%** Local content and production, for Electrical and telecoms cables
- ❑ The successful tenderer must sub-contract a minimum of 30% of the value of the contract to designated SMME from within the BCMM area. SMME profile should meet 51% Black ownership. Database for selection provided by ELIDZ

EVALUATION

The evaluation will be guided by the ELIDZ procurement policy. Points will be awarded on the basis of Price and BBBEE.

Score breakdown:

- ❑ 80 Points for Price
- ❑ 20 Points for BBBEE

All tenders not providing compulsory responsive documentation and with functionality scoring less than 70 %, will not be considered for the next stage of tender evaluation

TENDER DOCUMENT & SUBMISSION

The RFT document will be available for download on 20 July 2018 12h00 (Noon), at www.elidz.co.za under opportunities section.

The tender must be submitted in in two separate envelopes clearly marked “Envelope A -Technical Proposal “and “Envelope B – Financial Proposal” with the name/address of submitting company and the tender reference number. They must be deposited in the tender box in ELIDZ Administration 1 Building situated at Lower Chester Road, Sunnyside, East London, 5214

ELIDZ will not be responsible for tenders placed in an incorrect tender box. The ELIDZ and ELIDZ representative will not be held responsible for the receipt of tenders via courier services and the like.

No late tenders will be accepted. Only original tenders will be accepted.

East London IDZ
Phase 1 and 2 Upgrades of 11 kV Electrical Infrastructure – Zone 1A



Telegraphic, telephonic, telex, facsimile and e-mail will not be accepted.

TENDER ENQUIRIES

Queries relating to this tender may be addressed to:

Contact person: Thato Sehau

Contact No: (043) 101 0851

Email: thato@elidz.co.za

1.1.3 TENDER DATA

Project title:	Upgrade of Electrical Infrastructure – Zone 1A (phase 1)		
Contract No:	TBA		
Advertising date:	20 July 2018	Closing date:	16 August 2018
Closing time:	12:00 (noon)	Validity period :	90 Days
Clause number			
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annexure F of SANS 294: 2004 (Edition 1).</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender.</p> <p>Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.</p>		
F.1.1	The employer is the East London Industrial Development Zone SOC Ltd.		
F.1.2	<p>The tender documents issued by the employer comprise:</p> <p>VOLUME A: TECHNICAL PROPOSAL</p> <p>1. THE TENDER</p> <p>1.1 TENDERING PROCEDURES</p> <p>1.1.1 Introduction</p> <p>1.1.2 Tender Notice and Invitation to Tender</p> <p>1.1.3 Tender Data</p> <p>1.2 RETURNABLE SCHEDULES</p> <p>1.2.1 List of Returnable Documents</p> <p>1.2.2 Returnable Schedules</p>		

<p>F.1.2 (cont.)</p>	<p>2. THE CONTRACT</p> <p>2.1 CONTRACT DATA</p> <p>2.2 SCOPE OF WORKS</p> <p>2.3 SITE INFORMATION</p> <p>APPENDICES</p> <p>A Generic Occupational Health and Safety Specification</p> <p>B Construction Environment Management Plan</p> <p>C Guidelines to completion of Supplier Development Plans</p> <p>VOLUME B: FINANCIAL PROPOSAL</p> <p>1. THE CONTRACT</p> <p>1.1 AGREEMENT</p> <p>1.1.1 Form of Offer and Acceptance</p> <p>1.1.2 Form of Guarantee</p> <p>1.2 PRICING DATA</p> <p>1.2.1 Pricing Instructions</p> <p>1.2.2 Bills of Quantities</p>		
<p>F.1.4</p>	<p>The employer's agent is:</p>		
	<table border="1"> <tr> <td data-bbox="225 1294 501 1339">Name:</td> <td data-bbox="501 1294 1493 1339">Bigen Africa Services (Pty) Ltd</td> </tr> </table>	Name:	Bigen Africa Services (Pty) Ltd
Name:	Bigen Africa Services (Pty) Ltd		
	<table border="1"> <tr> <td data-bbox="225 1339 501 1496">Address:</td> <td data-bbox="501 1339 1493 1496">P O Box 29 The Innovation Hub PRETORIA 0087</td> </tr> </table>	Address:	P O Box 29 The Innovation Hub PRETORIA 0087
Address:	P O Box 29 The Innovation Hub PRETORIA 0087		
	<table border="1"> <tr> <td data-bbox="225 1496 501 1541">Tel:</td> <td data-bbox="501 1496 1493 1541">(012) 842 8700</td> </tr> </table>	Tel:	(012) 842 8700
Tel:	(012) 842 8700		
	<table border="1"> <tr> <td data-bbox="225 1541 501 1585">Fax:</td> <td data-bbox="501 1541 1493 1585">(012) 843 9000/1</td> </tr> </table>	Fax:	(012) 843 9000/1
Fax:	(012) 843 9000/1		
	<table border="1"> <tr> <td data-bbox="225 1585 501 1637">E-mail:</td> <td data-bbox="501 1585 1493 1637">Johan.pieters@bigengroup.com</td> </tr> </table>	E-mail:	Johan.pieters@bigengroup.com
E-mail:	Johan.pieters@bigengroup.com		
<p>F1.5.2</p>	<p>Add the following sentence: The period of six months may only be reduced should all tenders received be rejected as non-responsive.</p>		
<p>F.2.1.1</p>	<p>1. Only active CIDB registered tenderers with a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 5 EP class of construction work, are eligible to submit tenders</p> <p>Joint Ventures (JV) are eligible to submit tenders providing that:</p> <ul style="list-style-type: none"> • Every member of the JV have the required CIDB contractor grading • A Joint Venture agreement is submitted together with the tender indicating shareholding percentage 		

<p>F.2.1.2 (cont.)</p>	<ul style="list-style-type: none"> • All parties to a Joint Venture should meet bid condition requirements to be acceptable • The combined contractor grading designation, calculated in accordance with the CIDB Joint Venture Grading Designation Calculator, is equal to or higher than a contractor grading of 5 EP class of construction work; and • A Joint Venture agreement is submitted together with the tender indicating shareholding percentage <p>All parties to a Joint Venture should meet bid condition requirements to be acceptable.</p> <p>In Bids where consortia/joint venture/ sub-contractors are involved, each tendering party must submit a separate proof of TCS/PIN/CSD number</p> <p>The successful bidder will be required to submit a Supplier development plan for EME to be agreed with the ELIDZ.</p>
<p>F.2.7</p>	<p>The arrangements for a compulsory site visit and clarification meeting are:</p> <p>Location : ELIDZ HQ Auditorium Building Lower Chester Road Sunnyridge East London</p> <p>Date : 20 JULY 2018</p> <p>Starting time : 10:00 AM</p>
<p>F2.13.2</p>	<p>The tender document, fully completed by hand in black ink, is to be deposited in the tender box in ELIDZ Admin 1 Building.</p>
<p>F2.13.3</p>	<p>Only the original tender submission is required.</p>
<p>F2.13.5</p>	<p>The original tender offer is to be placed in two sealed envelopes, marked Volume A (1of1), (1of2) and Volume B, with the Tender Number and Description as well as the Tenderers Name and Address on both envelopes.</p>
<p>F2.13.6</p>	<p>A two-envelope procedure will be followed.</p>
<p>F2.14</p>	<p>The ELIDZ will disqualify any submission which is not suitably endorsed or which is not comprehensively completed.</p>
<p>F2.15.1</p>	<p>Submissions that are not received on or before the closing time will, in terms of the ELIDZ procurement policy, not be considered.</p>
<p>F.2.16</p>	<p>The tender offer validity period is 90 days.</p>
<p>F2.19</p>	<p>Access to premises will be required.</p>
<p>F2.23</p>	<p>The tenderer is required to submit with his tender:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tenderers are required to submit a Valid SARS Tax Clearance Certificate with their tender, or the relevant SARS pin code which will allow the ELIDZ to confirm the tenderers tax status on-line <input type="checkbox"/> Tenderers are required to provide a CSD registration certificate not older than 10 days before closing of tender.

- Tenderers should submit a valid original or certified B-BBEE verification certificate. Companies with annual turnover less than R10 million to submit an accountant or SARS letter confirming turnover.
- Tenderers to provide certified copy of Company Registration Certificate.
- Tenderers to provide Letter of Good Standing from Compensation Commissioner.
- Proof of Registration with the CIDB in the category **5 EP**.
- All returnable documents and schedules as listed in 1.2
- Signed Local content declaration
- Proposed SMME work package identification for 30% sub contracting portion.

F3.4 Tender submissions will be recorded in public immediately after the stipulated closing time and date.

F3.11 The procedure of the evaluation of tenders is the two envelope system.

Tender evaluation will be carried out using the 80/20 preference point system, where:

- A maximum of 80 points are allocated for financial offer.
- A maximum of 20 points are allocated for preference.

The above mentioned evaluation will be subject to offers being responsive and passing the functionality criteria prescribed in the attached schedule.

Quality/Functionality Evaluation

The score achieved for quality/functionality will be assessed using the following criteria, each of which will be scored individually up to the maximum number of points indicated (failure to submit the relevant information will result in zero scores for that section):

DETAILED BREAKDOWN OF FUNCTIONALITY POINTS			
Item	Description	Scored Points	Available Points
1	Criteria 1: Location		10
1.1	If the tenderer has a registered and currently operational office within the boundaries of Buffalo City Metropolitan Municipality (Provide lease agreement and/or BCM utility bill,)		10
1.2	If the tenderer has a registered and currently operational office within the boundaries of the Eastern Cape		5
2	Criteria 2: Implementation Methodology		36
	Company required to provide detailed method statements, which demonstrate the manner in which work is carried out typically on an installation contract of this nature (Cables, Switchgear, Control panels, AC/DC supply and Building Extension) and should cover a minimum of four core activities		
	<ul style="list-style-type: none"> • 11 kV or higher MV Cable works (pulling, laying, jointing, terminating, testing, etc.) 		10
	<ul style="list-style-type: none"> • 11 kV or higher Metal Clad Switchgear with VCB, ACB or SF₆ CB installation, retrofitting and testing 		6
	<ul style="list-style-type: none"> • Protection implementation installation, wiring and testing 		6

	Battery tripping unit, installation, wiring and testing		6
	• Substation building civil, protection of existing services, excavations, barricading/hording, construction method.		8
3	Criteria 3: Applicant's Expertise and Resources		30
3.1	Cable Technician (5 years minimum hands on experience) with relevant experience on similar projects and proof of an accredited jointing and termination course (Attach CV with contactable references)		
	≥ 10 years' experience on similar projects		10
	≥ 7 years < 10 years' experience on similar projects		7
	≥ 5 years < 7 years' experience on similar projects		5
3.2	Switchgear Technician (5 years minimum experience) with relevant experience on similar projects (Attach CV with contactable references)		
	≥ 10 years' experience on similar projects		10
	≥ 7 years < 10 years' experience on similar projects		7
	≥ 5 years < 7 years' experience on similar projects		5
3.3	Control plant Technician (5 years minimum experience) with relevant experience on similar projects (Attach CV with contactable references)		
	≥ 10 years' experience on similar projects		10
	≥ 7 years < 10 years' experience on similar projects		7
	≥ 5 years < 7 years' experience on similar projects		5
4	Criteria 4: Relevant Experience		15
4.1	Company experience with relevant experience in similar projects - 5 points can be scored for each confirmed similar project in progress or carried out in the past 5 years (Three references on letterheads with company stamp. to score a maximum 15 points)		15
5	Criteria 5: Health and Safety		9
5.1	Company OHS policy		3
5.2	Company permanent qualified OHS officer (Attach SAMTRAC)		6
	TOTAL EVALUATION SCORE FOR FUNCTIONALITY		100
	PERCENTAGE EVALUATION SCORE FOR FUNCTIONALITY		100%
Tender offers scoring less than 75 points out of 100 points for quality/functionality will be regarded as non-responsive and not considered further.			
<u>Financial Offer Evaluation</u>			
The score achieved for financial offer will be determined using formula 2 (option 1) as follows:			

	<p>Points awarded = $80 \left[1 - \frac{P - P_m}{P_m} \right]$</p> <p>Where P = the comparative offer of the tender offer under consideration P_m = the comparative offer of the lowest responsive tender</p>
	<p><u>Preference Evaluation Criteria</u></p> <p>A maximum of twenty (20) points will be awarded to a tenderer for achieving BBBEE objectives. BBBEE points shall be computed using a relevant scorecard as guided by the company's annual turnover. This is in accordance with the new Codes of Good Practice. No points will be awarded for achieving BBBEE objectives if the total percentage scored for BBBEE is less than 30%.</p> <p>All tenders with functionality less than 70% of the total functional requirements will not be considered for the next stage of tender evaluation. ELIDZ reserves the right to negotiate if preferred bidder's proposal exceeds ELIDZ project estimate.</p> <p>The tender will be awarded to the bid with the highest number of points. A tender may be awarded to a bidder that did not score the highest number of points if reasonable and justifiable grounds exist.</p> <p>Any contract offered by the ELIDZ will be based on the correctness of information submitted by the service providers. Any misrepresentation of facts by a service provider may lead to disqualification. Should such misrepresentation be uncovered after the commencement of the contracted work, the ELIDZ reserves the right to terminate the contract and recover all payments made to that service provider and any costs that may have been incurred in the process.</p> <p>ELIDZ reserves the right to have the tenderer's Black Economic Empowerment Credentials verified by an independent agency. (Procurement Handbook – Annexure: 1 must be fully completed and supplementary information may be completed by service providers with a turnover of less than R10m and be accompanied by letter from an accounting firm or SARS confirming the company's or sworn affidavit turnover is less than R10m).</p>
F3.13.1	<p>Tender offers will only be considered if:</p> <ol style="list-style-type: none"> a) the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; and b) the tenderer has : <ol style="list-style-type: none"> i. abused the Employer's Supply Chain Management System; or ii. failed to perform on any previous contract and has been given a written notice to this effect. iii. is not under restrictions, or has principals who are under restrictions, preventing participating in the ELIDZ procurement, iv. c) has the legal capacity to enter into the contract, v. d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing, vi. e) complies with the legal requirements, if any, stated in the tender data, and <ol style="list-style-type: none"> i. f) is able, in the opinion of the ELIDZ, to perform the contract free of conflicts of interest. c) All returnable documents and schedules as listed in 1.2.1 have been completed and submitted with this document. d) Local content declaration submitted of the designated threshold as per DTI

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	e) Proposed SMME work package identification for 30% sub contracting portion.
F.3.18	The number of paper copies of the signed contract to be provided by the employer is 1 (one).

PART 2

THE CONTRACT

CONTRACT NO: ES/18/ELEC/PHASE 1&2/Z1A

**PHASE 1 AND 2 UPGRADES OF 11 kV
ELECTRICAL INFRASTRUCTURE – ZONE
1A**

2.1 CONTRACT DATA

2.1.1 Contract Data

2.1.1 CONTRACT DATA FOR

Project title:	PHASE 1 AND 2 UPGRADES OF 11 kV ELECTRICAL INFRASTRUCTURE – ZONE 1A
Contract No:	CONTRACT NO: ES/18/ELEC/PHASE 1&2/Z1A

	PART 1: DATA PROVIDED BY THE EMPLOYER
	CONDITIONS OF CONTRACT
	The General Conditions of Contract for Construction Works (2010) [hereinafter referred to as GCC 2010], published by the South African Institution of Civil Engineering, is applicable to this Contract.
	CONTRACT SPECIFIC DATA
	The following contract specific data; amendments; additions; or omissions are applicable to this Contract.

CLAUSES	Compulsory Data
1.1.14	The name of the “Employer” is East London Industrial Development Zone SOC Ltd.
1.2.2	The address of the Employer is Physical Address: Lower Chester Road, Sunnyridge Buffalo City (East London) 5201 Postal Address: P.O. Box 5458 Greenfields 5208 Telephone: 043 – 101 0851
1.1.15	The name of the Engineer is: Bigen Africa Services – represented by Johan Pieters.

1.1.1.16	<p>The address of the Engineer is</p> <p>Physical Address:</p> <p>Allan Cormack street</p> <p>Innovation Hub</p> <p>Pretoria</p> <p>0087</p> <p>Postal Address:</p> <p>P O Box 29</p> <p>The Innovation Hub</p> <p>PRETORIA</p> <p>0087</p> <p>Telephone: (012) 842 8700</p>
5.8.1	The special non-working days are statutory public holidays.
5.8.1	The year-end break commences on 15 December and ends on 5 January.
Appendix 3	The time to deliver the Deed of Guarantee is 21 days. The liability of the Guarantee shall be for 5 % of the Tender Sum.
1.3.5	<p>Replace in its entirety with the following:</p> <p>The Employer will become the owner of the information, documents, advice, recommendations and reports collected, furnished and/or compiled by the Contractor during the course of, and for the purposes of executing this Contract, all of which will be handed over to the Employer on request, but in any event on the termination and/or cancellation of this Contract for whatever reason. The Contractor relinquishes its retention or any other rights to which it may be entitled.</p>
1.3.6	<p>Add the following as 1.3.6:</p> <p>The copyright of all information, documents, advice, recommendations and reports compiled by the Contractor during the course of and for the purposes of finalising the Works will vest in the Employer, must be regarded as confidential and may not be reproduced or distributed or made available to any person outside the Employer's service, or to any institution in any way, and may not be published either during the currency of this contract or after termination thereof without the prior written consent of the Employer. The Employer shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.</p>
1.3.7	<p>Add the following as 1.3.7</p> <p>The copyright of all electronic aids, software programmes etc. prepared or developed in terms of the</p>

	Contract shall vest in the Employer, who shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.
1.3.8	<p>Add the following as 1.3.8:</p> <p>In case of the Contractor providing documents, electronic aids, software programmes or like material to the Employer, the development of which has not been at the expense of the Employer, copyright shall not vest in the Employer. The Contractor shall be required to indicate to which documents, electronic aids, software programmes or like material this provision applies.</p>
4.6.1	<p>Replace with the following:</p> <p>The Contractor hereby indemnifies the Employer against any action, claim, damages or legal cost that may be instituted against the Employer on the grounds of an alleged infringement of any copyright or any other intellectual property right in connection with the Works outlined in this Contract.</p>
5.3.1	<p>Replace with the following:</p> <p>The Contractor shall, save as may be otherwise provided in the Contract or be legally or physically impossible, commence executing the Works immediately from the date the Contractor is given access to and possession of the Site in terms of Clause 11.</p>
5.4.1	Replace the word “On the Commencement date” with the words “Within 14 days of the Contractor submitting to the Engineer an acceptable health and safety plan required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)”
5.6.1	The Contractor shall deliver his Programme of work within 14 days from the Commencement Date.
5.9.1	<p>Amend as follows:</p> <p>“On the date that the Contractor is given access to and possession of the site, the Engineer shall deliver to the Contractor three (3) copies, at no cost to the Contractor, of the drawings and any instructions required for the commencement of the Works. The cost of any additional copies of such drawings and/or instructions, as may be required by the Contractor, will be for the account of Contractor.</p>
7.6.4	Replace the words “within a reasonable time” with the words “within the period stipulated by the Engineer in such order...”

7.9.1	<p>Add the following at the end of this clause:</p> <p>Such losses or damages may be recovered from the Contractor by deducting the same from any amounts still due under this Contract or under any other contract presently or hereafter existing between the Employer and the Contractor and for this purpose all these contracts shall be considered one indivisible whole.</p>
8.6.1.1	<p>The Contractor shall only be required to insure the Works as far as this comprises new construction. He shall however be required to insure whatever plant, vehicles, tools, equipment and materials are utilised in the execution of his activities.</p>
8.6.1.1.2	<p>The Employer will not supply any materials.</p>
8.6.1.1.3	<p>The insurance is not required to cover professional fees.</p>
8.6.1.3	<p>Public Liability Insurance shall have a limit of Indemnity of not less than R10 million for any one event. The Public Liability Insurance cover must be extended to include:</p> <ul style="list-style-type: none"> ▪ Spread of fire ▪ Damage to underground services ▪ Surrounding property
6.5.1	<p>The percentage allowance to cover overhead charges on labour and supervision is 33%, and on material cost the percentage allowance is 10%.</p>
5.7.2	<p>Add the following to the end of the second paragraph:</p> <p>“which costs may be deducted from any payments due to the Contractor in terms of the Contract or any other Contract, now or in the future, existing between the Employer and the Contractor and for this purpose all these shall be considered on indivisible whole”</p>
5.5.1	<p>The contract period for the Works is:</p> <p>Phase 1: 7 Months – Non-negotiable completion date is end June 2019</p> <p>Phase 2: 12 Months July 2019 to June 2020</p>
5.13.1	<p>If the Contractor fails by the Due Completion Date to complete the Works, or any specific portion thereof that is identified in the Scope of Works to the extent which entitles him in terms of Clause 5.14.2 to receive a Certificate of Practical Completion for the Works, then the Contractor shall be liable to the Employer for the sum(s) stated below as (a) penalty(ies) for every day which shall elapse between the Due Completion Date for the Works or the specific portion of the Works and the actual Date of Practical Completion of the Works or of the specific portion.</p> <p>The penalty for delay shall be: R25 000 per day for late completion on Phase 1 and R5 000 per day for phase 2.</p>

East London IDZ
Phase 1 and 2 Upgrades of 11 kV Electrical Infrastructure – Zone 1A



6.8.2	Contract Price will be adjusted annually as per the escalation rates declared in the priced bill of quantities year on year
10.1.3.6	Delete

6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is 80%.
6.10.3	The percentage retention on the amount due to the Contractor is 10 %. The limit of retention money is R2,000,000.00
6.10.3	This clause shall be deleted in its entirety.
6.11	This clause shall be deleted in its entirety.
7.8.1	The Defects Liability Period is 12 months.
9.3.3	Add the following at the end After cancellation of the Contract by the Contractor, the Contractor, when requested by the Employer to do so, shall not be entitled to refuse to withdraw from the Works on the grounds of any lien or a right of retention or on the grounds of any right whatsoever.
10.4.2	Dispute resolution shall be by means of mediation.
10.7	Disputes are to be referred for final settlement to litigation.
11.0	Add the following new Clause 11.0 : Amendments to be in writing “No amendments of this Contract or of any provisions or terms hereof and no waiver or relaxation or suspension of any of the provisions or terms of this Contract shall be of any force or effect unless reduced to writing and signed by both the parties hereto.”

Contract no: **CONTRACT NO:**

PART 2: DATA PROVIDED BY THE CONTRACTOR	
1.8	<p>The name of the Contractor is</p> <p>.....</p> <p>(insert the legal name of the Contractor, as well as the Contractor's registration number, if applicable)</p>
1.2.2	<p>The address of the Contractor is:</p> <p>Physical Address:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Postal Address:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Email address: Telephone:</p>

2.2	SCOPE OF WORK	
2.2.1	Description of the Works	
	2.2.1.1	Employers objectives
	2.2.1.2	Overview of works
	2.2.1.3	Extent of works
	2.2.1.4	Location of works
	2.2.1.5	Temporary works
2.2.2	Drawings	
2.2.3	Procurement	
	2.2.3.1	Preferential Procurement Procedures
	2.2.3.2	Subcontracting
2.2.4	Upgrade Works	
	2.2.4.1	Works specifications
2.2.5	Plant and Materials	
2.2.6	Equipment	
2.2.7	Existing Services	
2.2.8	Site Establishment	
2.2.9	Site Usage	
2.2.10	Permits and Way Leaves	
2.2.11	Alterations, Additions and Extensions to Existing Works	
2.2.12	Management	
2.2.13	Health and Safety Requirements	
2.2.14	Environmental Management Plan Requirements	

2.2 **SCOPE OF WORK**

2.2.1 **DESCRIPTION OF THE WORKS**

2.2.1.1 **Employer's Objectives**

The East London Industrial Development Zone SOC Ltd (ELIDZ) is the duly appointed operator of the East London Industrial Development Zone, and as such has an obligation to ensure that the various facilities and services that they own and control are at all times fully operational and able to perform the function for which they were intended.

Accordingly, the ELIDZ has a need to enter into contracts with suitable service providers who are able to carry out the services for the upgrade of the 11 kV electrical distribution infrastructure within Zone 1A area, which are necessary to support these objectives.

2.2.1.2 **Overview of the Works**

The installation services comprise both scheduled and unscheduled items as described below:

WORKS AT LEACHES BAY SUBSTATION – Phase 1

1. Reposition the AC/DC Panel at Leaches Bay switching room to a new position as indicated on the drawing LB-PL;
2. Install 4 x 11kV 800A CB Panels at Leaches bay substation switching room as per LB Panel layout drawing LB-PL;
3. Install 4 x MV Feeder protection schemes (3RF1100 or equivalent) near the control panels indicated in drawing LB-PL ;
4. Integration of feeder metering into the existing metering panel near the control panels indicated in drawing LB-PL;
5. Cabling between panels (Feeder panel, switchgear, ACDC, etc.) as indicated in the drawings.

WORKS AT SWITCHING STATION SS 1A1 – Phase 1

1. Extend the Switching Station building as indicated in drawings SS1A1-P and SS1A1-XS;
2. Install 2 x 11kV 1250A CB Panels as per the panel layout (PL) drawing and re-label the board as indicated in drawing SS1A1-PL;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.

WORKS AT SWITCHING STATION SS 1A2 – Phase 2

1. Extend the Switching Station building as indicated in drawings SS1A2-P and SS1A2-XS;
2. Install 2 x 11kV 1250A CB Panels as per the panel layout (PL) drawing and re-label the board as indicated in drawing SS1A2-PL;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.

WORKS AT SWITCHING STATION SS 1A3 – Phase 1

1. Extend the Switching Station building as indicated in drawings SS1A3-P and SS1A3-XS;
2. Install a new 11kV MV Board section at SS 1A3 as per the panel layout drawing SS1A3-PL and link to the existing section;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.
4. Testing and commissioning of available panels that might be free issued by ELIDZ

WORKS AT SWITCHING STATION SS 1A4 – Phase 2

1. Extend the Switching Station building as indicated in drawings SS1A4-P and SS1A4-XS;
2. Install a new 11kV MV Board section at SS 1A4 as per the panel layout drawing SS1A4-PL and link to the existing section;
3. Cabling for supply of new panels from existing AC/DC panel and/or BTU.
4. Testing and commissioning of available panels that might be free issued by ELIDZ

AC/DC BOARD

1. Install new AC/DC panel with integrated charger and battery cabinet (if applicable)
2. Cabling for supply of new panels from the new AC/DC Board (if applicable)

SITE WORKS (as per drawing ELIDZ-SLD)

1. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) and applicable joints and terminations between Leaches Bay and Switching Station SS 1A1;
2. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) between Leaches Bay and Switching Station SS 1A3;
3. Install 2 x 11kV, 3core-240mm² XLPE, SWA copper cables (outgoing feeders) between the Switching Station SS 1A1 and SS 1A3 for supply to the new Automobile Supply Park (ASP), achieved by looping both cables in and out of ASP station.
4. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) between Leaches Bay and Switching Station SS 1A3;
5. Install 2 x 11kV, 3core-240mm² XLPE, SWA Copper cables (outgoing feeders) and applicable joints and terminations between SS 1A3 and Switching Station SS 1A4;

Preliminary & General:

Monthly Charges

- Provision of tools, equipment & plant
- Provision of staff and administration

Contract Charges

- Provision of sureties
- Provision of insurance
- Provision of site establishment
- Provision of staff induction
- Provision of PPE
- Compliance with OHS
- Compliance with CEMP
- Disposal of hazardous materials
- Removal of site establishment

General items inclusive of supply and installation.

The appointed service provider will be required to supply, store and deliver materials from the list provided and at the rate tendered, if and when instructed to do so by the engineer.

The quantities listed shall not be interpreted as indicating the overall scope of work to be undertaken under the contract, and the Engineer shall instruct the Contractor as to the actual extent of work to be carried out under each billed item.

Provisional Sums

This portion of the contract deals with extra over rates which comprise of contingencies, labour and transport rates.

2.2.1.3 Extent of the Works

The upgrade services as defined above are required in Zones 1A of the ELIDZ.

Should the need arise the upgrade services may be extended to include one or more portions of new works undertaken on behalf of the ELIDZ. This additional work shall be undertaken at billed rates wherever possible.

Although the Bills of Quantities contain a quantity for each item of work, these are included only to ensure realistic pricing and for budget purposes.

The quantities shall not be interpreted as indicating the overall scope of work to be undertaken under the contract, and the Engineer shall instruct the Contractor as to the actual extent of work to be carried out under each billed item.

2.2.1.4 Location of the Works

Zone 1 of the East London Industrial Development Zone is located within Buffalo City on the western side of the Buffalo River, between the East London port and airport.

The actual location of each sub-zone is shown on the locality plan included with the drawings and more fully described in the following table:

SUB-ZONE	DESCRIPTION OF LOCATION
Zone 1A	Situated south-west of Sunnyridge, between the Harbour Arterial Road and Prince George Circuit, and accessed from the traffic circle at the lower end of the new Chester Road.

East London IDZ
Phase 1 and 2 Upgrades of 11 kV Electrical Infrastructure – Zone 1A



2.2.1.5 **Temporary Works**

The provision of any temporary works of whatever nature, required for execution of the scheduled items, shall be the responsibility of the Contractor, and the cost thereof shall be included in the rates for the respective items of work.

2.2.2 **DRAWINGS**

2.1.2.1 Available **Drawings will be issued at award stage to the successful tenderer**

2.2.3 **PROCUREMENT**

2.1.3.1 **Preferential Procurement Procedures**

The ELIDZ Procurement Handbook is included in envelope "A" of the tender submission and must be completed in full

2.1.3.2 **Subcontracting**

As stipulated in the General Conditions of Contract, the Contractor shall not subcontract any part of the contract without the prior written consent of the Employer. Accordingly, the Contractor shall submit his list of proposed subcontractors to the Employer or his representative for approval, prior to commencement of any activities on site.

The successful tenderer must sub-contract 30% of the contract value excluding the long lead items, to a local SMME from within the BCMM area. SMME profile should meet 51% Black ownership. SMME contractor that has the capability to execute works.

2.2.4 **UPGRADE WORKS**

2.2.4.1 **Works Specifications**

The standard specifications applicable to this contract are the following **South African Bureau of Standards Standard Specifications:**

Act No. 85 of 1993	The Machinery & Occupational Health and Safety Act
SANS 1885	Metal-clad switchgear for rated a.c. voltages above 1 kV and up to and including 36 kV - General requirements and methods of test
SANS 60298/IEC 60298	A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
SANS 62271-100	High-voltage switchgear and controlgear Part 100: High-voltage alternating-current circuit-breakers
SANS 10198-	The selection, handling and installation of electric power cables of rating not exceeding 33 kV
SANS 1339	Electric cables - Cross-linked polyethylene (XLPE) insulated cables for rated voltages 3,8/6,6 kV to 19/33 kV
SANS 60502-4	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) Part 4: Test

	requirements on accessories for cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)
SANS 10142-1	The wiring of premises Part 1: Low-voltage installations*
SANS 10400	The Application of the National Building Regulations*

The additional and particular Specifications applicable to this contract are:

ELIDZ Occupational Health and Safety Specification
ELIDZ Construction Environment Management Plan

These specifications are bound in with the tender documentation.

2.2.4.2 **LIVE WORK**

The contractor shall plan all upgrade works in the worst-case scenario that consists of doing work without interruption of electricity supply to the existing consumers. The contractor shall make provision and take necessary steps to ensure that electrical services are not interrupted. Such provision shall be made in consultation with all stakeholders. The provision may include but is not limited to backup generators, task shifting to weekends and public holidays.

2.2.5 **Existing Services**

All areas within which the Contractor is required to undertake installation works are serviced with the full range of civil, electrical and communication services, most of which are below ground. The Contractor will be issued with drawings showing the positions of the services that are included in the contract and will be required to determine the position of all other known services which may be affected by his work, by consultation with the Employer or his representative.

The Contractor may be required to undertake work in close proximity to existing services in which case he shall take all necessary precautions to prevent any damage to these services. Should his operations result in any damage to existing services, he shall immediately notify the Employer or his representative who will inspect the damage and determine what further action is required. The Contractor shall be responsible for the cost of all repairs or reinstatement necessary, whether these are carried out with his own resources or by a third party.

2.2.6 **Site establishment**

a) **Facilities provided by the Employer**

The ELIDZ will provide, free of charge, the Horticultural Facility. It will be the responsibility of the contractor to operate and maintain this facility on behalf of and to the satisfaction of the ELIDZ for the duration of the contract.

Utility costs, water and electricity, will be for the account of the Contractor.

The Employer is not able to assist with telecommunication facilities and the Contractor shall make his own arrangements for whatever telephone and facsimile facilities he may require

Reticulated potable water exists within each zone of the IDZ. Should the Contractor require a supply of water to enable him to undertake any of his activities on the site then a suitable point of supply will be made available off the relevant reticulation. The Contractor shall agree the details of both the position and the size of connection required with the Employer or his representative, and shall be responsible for the cost of the connection, the cost of water used, and the cost of removal and reinstatement on completion.

All zones of the IDZ are fully reticulated with electricity. Should the Contractor require an electrical connection to carry out any aspect of his work then he shall discuss his requirements with the Employer or his representative who will arrange for a supply with the necessary capacity at a suitable position. The Contractor shall be responsible for the cost of the connection, the cost of electricity used, and the cost of removal and reinstatement on completion.

b) **Facilities provided by the Contractor**

Should establishment of any temporary facilities be required to enable the Contractor to carry out any aspect of the work, then the location, cost, and extent of such facilities shall require prior approval of the Employer or his representative.

The Contractor will not be required to provide an office, telephone, vehicle or any other facilities or equipment for the exclusive use of the Employer, the Employer or his representative or their staff.

c) **Notice Boards**

A notice board is not required, nor will the Contractor be permitted to erect his own advertising board.

2.2.7 **Site Usage**

The Contractor shall restrict his operations to the immediate vicinity of the work being carried out and he shall not be permitted to unnecessarily obstruct or impact on other adjacent areas.

2.2.8 **Permits and Way Leaves**

Permits and way leaves are required for all work on the IDZ and accurate records must be kept of all work done.

2.2.9 **Alterations, Additions, and Extensions to Existing Works**

Wherever the Contractor is required to carry out new construction to lines and levels based on or tying into existing infrastructure, he shall first check that the information provided for the existing works is accurate and correct. Should there be any discrepancies as regards

position, or defects in the quality of the existing work which may affect the proposed work, then the Contractor shall report these to the Employer or his representative and request clarification prior to proceeding with the new construction.

2.2.10 **Management of the Works**

a) **Planning and Programming**

Within 14 days of the Commencement Date and prior to commencement of any operations on site, the Contractor shall prepare and submit to the Employer or his representative a Plan that provides full details of the sequence and timing of the scheduled inspections and upgrade activities required in terms of the contract. This shall cover the entire contract period, and shall be amended and revised as necessary until approved by the Employer or his representative.

In addition, one week before the end of each month, the Contractor shall submit a list of work to be carried out during the following month, together with the anticipated expenditure, using the relevant items from the Bills of Quantities. The list shall include both upgrade works items and unscheduled additional work items as requested by the Employer or his representative, and shall form the basis of the work to be carried out and paid for during the month. The Contractor shall not be entitled to claim for payment for scheduled items that have not been included in the monthly schedule and approved by the Employer or his representative.

b) **Sequence of the Works**

The sequence of work shall be carried out strictly in accordance with the plan and monthly schedule as detailed above.

Certain other aspects of unscheduled work may be required from time to time in response to changes to the design.

c) **Methods and Procedures**

Prior to the commencement of any work on the site the Contractor shall submit method statements. The method statements shall be submitted to the Employer or his representative for approval at least 10 days prior to the scheduled start of the activity. The method statements shall set out the procedures to be followed in carrying out the activity and shall include details of compliance with both Occupational Health and Safety and Environmental aspects.

The Contractor shall ensure that his staff and workers are properly trained in the safe and effective use of any equipment, plant or materials necessary to undertake the work.

d) **Quality Control**

The Contractor shall ensure that the appearance of his staff is neat and tidy, and he shall provide them with appropriate and easily identifiable uniforms, preferably with the Contractor's logo, to enable them to be recognised at all times while on site.

The Contractor shall provide whatever samples of materials are required for approval prior to commencement, and shall undertake all necessary tests that are required in terms of the applicable specification to ensure that his workmanship meets the required standard.

e) **Environment**

Environmental considerations applicable to this project are detailed in the ELIDZ Construction Environment Management Plan (CEMP).

The Contractor shall ensure that he is fully aware of the requirements of the CEMP and that he understands his responsibilities regarding both his management of the project and the actual construction activities on site.

f) **Accommodation of Traffic**

The Contractor shall be responsible for the safety of all vehicular and pedestrian traffic affected by his work and shall provide the necessary deviations together with all warning signs, barricading and lighting fully in compliance with the requirements of the SADC Road Traffic Signs Manual.

The Contractor shall maintain access to all buildings and properties affected by his work and shall liaise with the relevant tenants and the IDZ to agree temporary or partial closure of any access point.

g) **Other Contractors**

Various other activities and construction contracts could be underway concurrently with this contract. The Contractor may be required to co-ordinate his activities together with the activities of the other contractors, and shall be notified of specific requirements by the Employer or his representative.

The contractor must take cognisance of other contract works on site on other contracts.

h) **Testing, Completion, Commissioning**

Each separate activity included in the contract shall be fully tested and independently commissioned on completion, and shall immediately thereafter be made available for use by the ELIDZ or the relevant tenant.

i) **Communications**

All communication of whatever nature shall be through the Project Manager or the ELIDZ Project Manager. All communication will be confirmed in writing within seven days, preferably via email, with supporting documentation, reports and or photos

j) **Key Personnel**

Within 14 days of the Commencement Date and prior to commencement of any operations on site, the Contractor shall submit to the Employer or his representative detailed CV's of his key personnel together with their relevant contact details. Should the key personnel not be the same as those included in the tender submission, then the Contractor shall be required to provide personnel with equivalent or better qualifications and experience.

k) **Management Meetings**

The Contractor shall be required to attend a monthly meeting and inspection of work done and in progress during which all aspects relating to the progress, scope, expenditure, OHS and general administration of the contract will be discussed. The Contractor shall ensure that his representative at the meeting has the necessary understanding and authority to make decisions regarding these issues. Contractor shall submit a written report at the meeting for review and comment

l) **Payments**

All payments to the Contractor shall be by means of electronic transfer and the Contractor shall provide his banking details to the Employer or his representative together with the initial payment claim. Monthly claims will be valued by the Project Manager and submitted to employer for payment within 30 days of receiving a corresponding original VAT invoice and statement

m) **Records**

The Contractor shall be required to provide a detailed report at the end of every month on a word document in both hard and electronic format. The monthly report shall be in a format to be agreed with the Employer and the Project Manager and shall contain the following:

- Results of all routine inspections carried out.
- A record of the routine activities undertaken.
- Details of of repair work done
- Proof of additional/specialist work completed
- A monthly record of resources (both personnel and equipment) utilised on site.
- Incident report and actions taken
- Compliance to OHS and CEMP documents

The report shall be submitted within seven days of the end of each month, and no payment will be made to the Contractor until the report has been received.

n) **Payment Certificates**

After an audit has been carried out by the Project Manager, a payment Certificate shall be drawn up in an agreed format based on the bills of quantities and any variation orders authorised. The date for submission of each payment claim shall be agreed

with the Employer or his representative. The procedure for preparation of Payment Certificates shall be as follows:

- The actual quantity for each item shall be agreed with the Engineer based on the cumulative total of the previous monthly quantity and the additional work carried out during the month.
- The Contractor shall draw up and submit his claim using the agreed quantities.
- The Engineer shall check the claim and certify the amount to be paid.
- The Contractor shall provide a VAT invoice to the Engineer for the certified amount.
- The Engineer shall submit the claim, the VAT invoice and the payment certificate to the Employer.

o) **Permits**

The Contractor is required to obtain identity tags and access cards issued free of charge by the ELIDZ for all his staff that enter the site. He shall make prior arrangements with the ELIDZ to obtain the tags timeously, as no member of his staff shall be allowed on site without the identity tag clearly displayed.

p) **Proof of Compliance with the Law**

The Contractor shall be required to comply with all regulations and laws of whatever nature that are applicable to his operations throughout the duration of the contract, and shall produce documentary evidence when requested for all aspects, including, but not limited to:

- Valid proof of registration with the Compensation Commissioner.
- Proof of registration for income tax and VAT.
- Compliance with the Occupational Health and Safety Act and Construction Regulations.

2.2.11 **Health and Safety Requirements and Procedures**

The Contractor shall comply with all relevant aspects of the Occupational Health and Safety Act together with the Regulations referred to therein, as applicable to the scope of his activities.

Particular attention must be paid to the issuing of the relevant Notices, appointment of responsible people, undertaking Hazard Identification and Risk Assessments, and preparation of a Health and Safety Plan within 21 days of appointment for comment and approval. All necessary documentation shall be prepared and submitted for comment and approval prior to commencement with any work on site.

Specific Health and Safety considerations applicable to this project are detailed in the ELIDZ Occupational Health and Safety Specification. (Appendix A)

Method statements submitted for the Contractor's activities shall include details of compliance with Occupational Health and Safety within 21 days of appointment for comment and approval.

The Contractor shall ensure that all his personnel are properly inducted with respect to the ELIDZ Occupational Health and Safety standards prior to their undertaking any work within the IDZ premises.

The Contractor shall provide the necessary personal protective equipment and clothing to all staff as necessary for the type of work being carried out.

No member of the Contractor's staff shall be allowed on site while under the influence of alcohol or drugs. Any member of his staff that exhibits any signs of alcohol or drug usage shall be removed from the ELIDZ premises by security staff.

The Contractor shall be responsible for the protection of the public in the areas in which he is working and shall provide barricades and lighting as necessary to ensure their safety. He shall also be responsible for the safe control of traffic wherever his works impact on the existing roadways.

2.2.12 **Environmental Management Plan (EMP) Requirements and Procedures**

The Contractor shall comply with all relevant aspects of the ELIDZ Construction Environmental Management Plan (CEMP) together with the Regulations referred to therein, as applicable to the scope of his activities.

The ELIDZ CEMP is attached as Appendix B

Particular attention must be paid to the issuing of the relevant Notices, appointment of responsible people, undertaking Environmental Risk Assessments, and preparation of Method Statements for comment and approval prior to commencement with any work on site.

The Contractor shall ensure that all his personnel are properly inducted with respect to the ELIDZ CEMP standards prior to their undertaking any work within the IDZ premises.

2.3 SITE INFORMATION

2.3.1 Existing Services

2.3.2 Existing Buildings

2.3.3 Environmental Restrictions

2.3 **SITE INFORMATION**

2.3.1 **EXISTING SERVICES**

All areas within which the Contractor is required to undertake upgrade works are serviced with the full range of civil, electrical and communication services, most of which are below ground. He will be required to determine the position of all other known services that may be affected by his work, by consultation with the Employer or his representative.

2.3.2 **EXISTING BUILDINGS**

Numerous buildings exist within the area in which the Contractor is required to undertake upgrade operations. Should the Contractor require drawings of any existing building to enable him to undertake his activities on site, then he shall request these from the Employer or his representative, who will make the necessary arrangements with the ELIDZ or other consultants for the provision of the record drawings for these buildings.

2.3.3 **ENVIRONMENTAL RESTRICTIONS**

Certain areas within the ELIDZ have been designated as “Environmentally sensitive areas”. Drawings indicating the location and extent of these areas can be obtained by request. Under no circumstances shall the Contractor enter or use these areas for any purpose whatsoever, without the specific written approval of the Employer or his representative.

APPENDICES

APPENDIX A

ELIDZ OHS Regulations

APPENDIX B

ELIDZ CEMP

APPENDIX C

ELIDZ GUIDELINES FOR COMPLETION OF SUPPLIER DEVELOPMENT BID DOCUMENT

APPENDIX D
TECHNICAL DRAWINGS

LIST OF DRAWINGS¹

DRAWING NUMBER	DESCRIPTION	SHEETS	REV	REMARK
ELIDZ-SLD	Site's Single Line Diagram	1	1	
ELIDZ-CL	Site's Cable Layout Plan	1	1	
LB-SLD	Switching Station SS 1A1 Single Line Diagram	3	1	
SS1A1-PL	Switching Station SS 1A1 MV Panel Layout	1	1	
SS1A1-SLD	Switching Station SS 1A1 Single Line Diagram	1	1	
SS1A1-PL	Switching Station SS 1A1 MV Panel Layout	1	1	
SS1A1-PD	Switching Station SS 1A1 Protection Diagram	1	1	
SS1A1-EP	Switching Station SS 1A1 Earthing Plan	1	1	
SS1A1-FFP	Switching Station SS 1A1 Floor and Foundation Plans	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A1-XS	Switching Station SS 1A1 Sections	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A2-SLD	Switching Station SS 1A2 Single Line Diagram	1	1	
SS1A2-PL	Switching Station SS 1A2 MV Panel Layout	1	1	
SS1A2-PD	Switching Station SS 1A2 Protection Diagram	1	1	
SS1A2-EP	Switching Station SS 1A2 Earthing Plan	1	1	
SS1A2-FFP	Switching Station SS 1A2 Floor and Foundation Plans	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A2-XS	Switching Station SS 1A2 Sections	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer

¹ SLD and layout will be provided. Remaining drawings to be provided to the winning bidder.

SS1A3-SLD	Switching Station SS 1A3 Single Line Diagram	1	1	
SS1A3-PL	Switching Station SS 1A3 MV Panel Layout	1	1	
SS1A3-PD	Switching Station SS 1A3 Protection Diagram	1	1	
SS1A3-EP	Switching Station SS 1A3 Earthing Plan	1	1	
SS1A3-FFP	Switching Station SS 1A3 Floor and Foundation Plans	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A3-XS	Switching Station SS 1A3 Sections	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A4-SLD	Switching Station SS 1A4 Single Line Diagram	1	1	
SS1A4-PL	Switching Station SS 1A4 MV Panel Layout	1	1	
SS1A4-PD	Switching Station SS 1A4 Protection Diagram	1	1	
SS1A4-EP	Switching Station SS 1A4 Earthing Plan	1	1	
SS1A4-FFP	Switching Station SS 1A4 Floor and Foundation Plans	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer
SS1A4-XS	Switching Station SS 1A4 Sections	1	1	Plans to be completed by an Architect Foundation and Structural works to be completed by a Civil/Structure Engineer

APPENDIX E

PROGRAM

East London IDZ
Phase 1 and 2 Upgrades of 11 kV Electrical Infrastructure – Zone 1A

