

TENDER: ID-164103

SCOPE OF WORK



Guidance Document for the Calculation of Local Content

1. DEFINITIONS

Unless explicitly provided in this guideline, the definitions given in SATS 1286:2011 apply.

2. GENERAL

2.1. Introduction

This guideline provides tenderers with a detailed description of how to calculate local content of products (goods, services and works) by components/material/services and enables them to keep an updated record for verification requirements as per the SATS 1286:2011 Annexure A and B.

The guideline consists of two parts, namely:

- a written guideline; and
- three declarations that must be completed:
 - Declaration C: “Local Content Declaration – Summary Schedule” (see Annexure C);
 - Declaration D: “Imported Content Declaration – Supporting Schedule to Annex C” (see Annexure D); and
 - Declaration E: “Local Content Declaration – Supporting Schedule to Annex C” (see Annexure E).

The guidelines and declarations should be used by tenderers when preparing a tender. A tenderer must complete Declarations D and E, and consolidate the information on Declaration C.

Annexure C must be submitted with the tender by the closing date and time as determined by the Tender Authority. The Tender Authority reserves the right to request that Declarations D and E also be submitted.

If the tender is successful, the tenderer must continuously update Declarations C, D and E with actual values for the duration of the contract.

NOTE:

Annexure A is a note to the purchaser in SATS 1286:2011; and
Annexure B is the Local Content Declaration IN SATS 1286:2011.

2.2. What is local content?

According to SATS 1286:2011, the local content of a product is the tender price less the value of imported content, expressed as a percentage. It is, therefore, necessary to first compute the imported value of a product to determine the local content of a product.

2.3. Categories: Imported and Local Content

The tenderer must differentiate between imported content and local content.

Imported content of a product by components/material/services is separated into two categories, namely:

- products imported directly by the tenderer; and
- products imported by a third party and supplied to the tenderer.

2.3.1. Imported Content

Identify the imported content, if any, by value for products by component/material/services. In the case of components/materials/services sourced from a South African manufacturer, agent, supplier or subcontractor (i.e. third party), obtain that information and Declaration D from the third party.

Calculate the imported content of components/materials/services to be used in the manufacture of the total quantity of the products for which the tender is to be submitted.

As stated in clause 3.2.4 of SATS 1286:2011: "If information on the origin of components, parts or materials is not available, it will be deemed to be imported content."

2.3.1.1. Imported directly by the tenderer:

When the tenderer import products directly, the onus is on the tenderer to provide evidence of any components/materials/services that were procured from a non-domestic source. The evidence should be verifiable and pertain to the tender as a whole. Typical evidence will include commercial invoices, bills of entry, etc.

When the tenderer procures imported services such as project management, design, testing, marketing, etc and makes royalty and lease payments, such payments relating to the tender must be included when calculating imported content.

2.3.1.2. Imported by a third party and supplied to the tenderer:

When the tenderer supplies components/material/services that are imported by any third party (for example, a domestic manufacturer, agent, supplier or subcontractor in the supply chain), the onus is on the tenderer to obtain verifiable evidence from the third party.

The tenderer must obtain Declaration D from all third parties for the related tender. The third party must be requested by the tenderer to continuously update Declaration D. Typical evidence of imported content will include commercial invoices, bills of entry etc.

When a third party procures imported services such as project management, design, testing, marketing etc. and makes royalty and lease

payments, such payments relating to the tender must be included when calculating imported content.

2.3.1.3. Exempt Imported Content:

Exemptions, if any, are granted by the Department of Trade and Industry (**the dti**). Evidence of the exemptions must be provided and included in Annexure D.

2.3.2. Local Content

Identify and calculate the local content, by value for products by components/materials/services to be used in the manufacture of the total quantity of the products.

3. ANNEXURE C

3.1. Guidelines for completing Annexure C: Local Content Declaration – Summary Schedule

Note: The paragraph numbers correspond to the numbers in Annexure C.

C1. Tender Number

Supply the tender number that is specified on the specific tender documentation.

C2. Tender description

Supply the tender description that is specified on the specific tender documentation.

C3. Designated products

Supply the details of the products that are designated in terms of this tender (i.e. buses).

C4. Tender Authority

Supply the name of the tender authority.

C5. Tendering Entity name

Provide the tendering entity name (for example, Unibody Bus Builders (Pty) Ltd).

C6. Tender Exchange Rate

Provide the exchange rate used for this tender, as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

C7. Specified local content %

Provide the specified minimum local content requirement for the tender (i.e. 80%), as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MDB) 6.2.

C8. Tender item number

Provide the tender item number(s) of the products that have a local content requirement as per the tender specification.

C9. List of items

Provide a list of the item(s) corresponding with the tender item number.

This may be a short description or a brand name.

Calculation of local content

C10. Tender price

Provide the unit tender price of each item excluding VAT.

C11. Exempted imported content

Provide the ZAR value of the exempted imported content for each item, if applicable. These value(s) must correspond with the value(s) of column D16 on Annexure D.

C12. Tender value net of exempted imported content

Provide the net tender value of the item, if applicable, by deducting the exempted imported content (C11) from the tender price (C10).

C13. Imported value

Provide the ZAR value of the items' imported content.

C14. Local value

Provide the local value of the item by deducting the Imported value (C13) from the net tender value (C12).

C15. Local content percentage (per item)

Provide the local content percentage of the item(s) by dividing the local value (C14) by the net tender value (C12) as per the local content formula in SATS 1286.

Tender Summary

C16. Tender quantity

Provide the tender quantity for each item number as per the tender specification.

C17. Total tender value

Provide the total tender value by multiplying the tender quantity (C16) by the tender price (C10).

C18. Total exempted imported content

Provide the total exempted imported content by multiplying the tender quantity (C16) by the exempted imported content (C11). These values must correspond with the values of column D18 on Annexure D.

C19. Total imported content

Provide the total imported content of each item by multiplying the tender quantity (C16) by the imported value (C13).

C20. Total tender value

Total tender value is the sum of the values in column C17.

C21. Total exempted imported content

Total exempted imported content is the sum of the values in column C18. This value must correspond with the value of D19 on Annexure D.

C22. Total tender value net of exempted imported content

The total tender value net of exempt imported content is the total tender value (C20) less the total exempted imported content (C21).

C23. Total imported content

Total imported content is the sum of the values in column C19. This value must correspond with the value of D53 on Annexure D.

C24. Total local content

Total local content is the total tender value net of exempted imported content (C22) less the total imported content (C23). This value must correspond with the value of E13 on Annexure E.

C25. Average local content percentage of tender

The average local content percentage of tender is calculated by dividing total local content (C24) by the total tender value net of exempted imported content (C22).

4. ANNEXURE D**4.1. Guidelines for completing Annexure D: “Imported Content Declaration – Supporting Schedule to Annexure C”**

Note: The paragraph numbers correspond to the numbers in Annexure D.

D1. Tender number

Supply the tender number that is specified on the specific tender documentation.

D2. Tender description

Supply the tender description that is specified on the specific tender documentation.

D3. Designated products

Supply the details of the products that are designated in terms of this tender (i.e. buses).

D4. Tender authority

Supply the name of the tender authority.

D5. Tendering entity name

Provide the tendering entity name (i.e. Unibody Bus Builders (Pty) Ltd).

D6. Tender exchange rate

Provide the exchange rate used for this tender, as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

Table A. Exempted Imported Content

D7. Tender item number

Provide the tender item number(s) of the product(s) that have imported content.

D8. Description of imported content

Provide a list of the exempted imported product(s), if any, as specified in the tender.

D9. Local supplier

Provide the name of the local supplier(s) supplying the imported product(s).

D10. Overseas supplier

Provide the name(s) of the overseas supplier(s) supplying the exempted imported product(s).

D11. Imported value as per commercial invoice

Provide the foreign currency value of the exempted imported product(s) disclosed in the commercial invoice accepted by the South African Revenue Service (SARS).

D12. Tender exchange rate

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

D13. Local value of imports

Convert the value of the exempted imported content as per commercial invoice (D11) into the ZAR value by using the tender exchange rate (D12) disclosed in the tender documentation.

D14. Freight costs to port of entry

Provide the freight costs to the South African Port of the exempted imported item.

D15. All locally incurred landing costs and duties

Provide all landing costs including customs and excise duty for the exempted imported product(s) as stipulated in the SATS 1286:2011.

D16. Total landed costs excl VAT

Provide the total landed costs (excluding VAT) for each item imported by adding the corresponding item values in columns D13, D14 and D15. These values must be transferred to column C11 on Annexure C.

D17. Tender quantity

Provide the tender quantity of the exempted imported products as per the tender specification.

D18. Exempted imported value

Provide the imported value for each of the exempted imported product(s) by multiplying the total landed cost (excl. VAT) (D16) by the tender quantity (D17). The values in column D18 must correspond with the values of column C18 of Annexure C.

D19. Total exempted imported value

The total exempted imported value is the sum of the values in column D18. This total must correspond with the value of C21 on Annexure C.

Table B. Imported Directly By Tenderer

D20. Tender item numbers

Provide the tender item number(s) of the product(s) that have imported content.

D21. Description of imported content:

Provide a list of the product(s) imported directly by tender as specified in the tender documentation.

D22. Unit of measure

Provide the unit of measure for the product(s) imported directly by the tenderer.

D23. Overseas supplier

Provide the name(s) of the overseas supplier(s) supplying the imported product(s).

D24. Imported value as per commercial Invoice

Provide the foreign currency value of the product(s) imported directly by tenderer disclosed in the commercial invoice accepted by the South African Revenue Service (SARS).

D25. Tender rate of exchange

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

D26. Local value of imports

Convert the value of the product(s) imported directly by the tenderer as per commercial invoice (D24) into the ZAR value by using the tender exchange rate (D25) disclosed in the tender documentation.

D27. Freight costs to port of entry

Provide the freight costs to the South African Port of the product(s) imported directly by the tenderer.

D28. All locally incurred landing costs and duties

Provide all landing costs including customs and excise duty for the product(s) imported directly by the tenderer as stipulated in the SATS 1286:2011.

D29. Total landed costs excl VAT

Provide the total landed costs (excluding VAT) for each item imported directly by the tenderer by adding the corresponding item values in columns D26, D27 and D28.

D30. Tender quantity

Provide the tender quantity of the product(s) imported directly by the tenderer as per the tender specification.

D31. Total imported value

Provide the total imported value for each of the product(s) imported directly by the tenderer by multiplying the total landed cost (excl. VAT) (D29) by the tender quantity (D30).

D32. Total imported value by tenderer

The total value of imports by the tenderer is the sum of the values in column D31.

Table C. Imported by Third Party and Supplied to the Tenderer

D33. Description of imported content

Provide a list of the product(s) imported by the third party and supplied to the tenderer as specified in the tender documentation.

D34. Unit of measure

Provide the unit of measure for the product(s) imported by the third party and supplied to tenderer as disclosed in the commercial invoice.

D35. Local supplier

Provide the name of the local supplier(s) supplying the imported product(s).

D36. Overseas supplier

Provide the name(s) of the overseas supplier(s) supplying the imported products.

D37. Imported value as per commercial invoice

Provide the foreign currency value of the product(s) imported by the third party and supplied to the tenderer disclosed in the commercial invoice accepted by SARS.

D38. Tender rate of exchange

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

D39. Local value of imports

Convert the value of the product(s) imported by the third party as per commercial invoice (D37) into the ZAR value by using the tender exchange rate (D38) disclosed in the tender documentation.

D40. Freight costs to port of entry

Provide the freight costs to the South African Port of the product(s) imported by third party and supplied to the tenderer.

D41. All locally incurred landing costs and duties

Provide all landing costs including customs and excise duty for the product(s) imported by third party and supplied to the tenderer as stipulated in the SATS 1286:2011.

D42. Total landed costs excluding VAT

Provide the total landed costs (excluding VAT) for each product imported by third party and supplied to the tenderer by adding the corresponding item values in columns D39, D40 and D41.

D43. Quantity imported

Provide the quantity of each product(s) imported by third party and supplied to the tenderer for the tender.

D44. Total imported value

Provide the total imported value of the product(s) imported by third party and supplied to the tenderer by multiplying the total landed cost (D42) by the quantity imported (D43).

D45. Total imported value by third party

The total imported value from the third party is the sum of the values in column D44.

Table D. Other Foreign Currency Payments**D46. Type of payment**

Provide the type of foreign currency payment. (i.e. royalty payment for use of patent, annual licence fee, etc).

D47. Local supplier making the payment

Provide the name of the local supplier making the payment.

D48. Overseas beneficiary

Provide the name of the overseas beneficiary.

D49. Foreign currency value paid

Provide the value of the listed payment(s) in their foreign currency.

D50. Tender rate of exchange

Provide the exchange rate used for this tender as per the Standard Bidding Document (SBD) and Municipal Bidding Document (MBD) 6.2.

D51. Local value of payments

Provide the local value of each payment by multiplying the foreign currency value paid (D49) by the tender rate of exchange (D50).

D52. Total of foreign currency payments declared by tenderer and/or third party

The total of foreign currency payments declared by tenderer and/or a third party is the sum of the values in column D51.

D53. Total of imported content and foreign currency payment

The total imported content and foreign currency payment is the sum of the values in column D32, D45 and D52. This value must correspond with the value of C23 on Annexure C.

5. ANNEXURE E

5.1. Guidelines to completing Annexure E: “Local Content Declaration-Supporting Schedule to Annexure C”

The paragraph numbers correspond to the numbers in Annexure E

E1. Tender number

Supply the tender number that is specified on the specific tender documentation.

E2. Tender description

Supply the tender description that is specified on the specific tender documentation.

E3. Designated products

Supply the details of the products that are designated in terms of this tender (for example, buses/canned vegetables).

E4. Tender authority

Supply the name of the tender authority.

E5. Tendering entity name

Provide the tendering entity name (for example, Unibody Bus Builders (Pty) Ltd) Ltd).

Local Goods, Services and Works E6. purchased	Description of items
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Provide a description of the items purchased locally in the space provided.

E7. Local supplier

Provide the name of the local supplier that corresponds to the item listed in column E6.

E8. Value

Provide the total value of the item purchased in column E6.

E9. Total local products (Goods, Services and Works)

Total local products (goods, services and works) is the sum of the values in E8.

E10. Manpower costs:

Provide the total of all the labour costs accruing only to the tenderer (i.e. not the suppliers to tenderer).

E11. Factory overheads:

Provide the total of all the factory overheads including rental, depreciation and amortisation for local and imported capital goods, utility costs and consumables. (Consumables are goods used by individuals and businesses that must be replaced regularly because they wear out or are used up. Consumables can also be defined as the components of an end product that are used up or permanently altered in the process of manufacturing, such as basic chemicals.)

E12. Administration overheads and mark-up:

Provide the total of all the administration overheads, including marketing, insurance, financing, interest and mark-up costs.

E13. Total local content:

The total local content is the sum of the values of E9, E10, E11 and E12. This total must correspond with C24 of Annexure C.

PA-36: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

- x is the imported content in Rand
y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp at no cost.



PA36: Declaration Certificate for Local Production and Content for Designated Sectors.

(This form has been aligned with NT - SBD 6.2)

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;
2. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

Description of services, works or goods Stipulated minimum threshold

SECTION A: LOW VOLTAGE

Footwear – Safety Shoe	100%
Reflective Jacket	100%
Reflective Trouser	100%
Galvanized draw wire	100%
120mm ² x4 core ecc	90%
Termination for 120mm ² x4 core ecc	90%
70mm ² x4 core ecc	90%
Termination for 70mm ² x4 core ecc	90%
50mm ² x4 core ecc	90%
Termination for 50mm ² x4 core ecc	90%
35mm ² x4 core ecc	90%
Termination for 35mm ² x4 core ecc	90%
25mm ² x4 core ecc	90%
Termination for 25mm ² x4 core ecc	90%
16mm ² x4 core ecc	90%
Termination for 16mm ² x4 core ecc	90%
16mm ² x3 core ecc	90%
Termination for 16mm ² x3 core ecc	90%
10mm ² x3 core ecc	90%
Termination for 10mm ² x3 core ecc	90%
6mm ² x3 core ecc	90%
20mm dia conduit (PVC)	100%
32mm dia conduit (PVC)	100%
20mm dia conduit (galvanized)	100%
32mm dia conduit (galvanized)	100%
4.5m galvanized steel pole	100%
9.5m galvanized steel pole	100%

SECTION B: HIGH TENSION (MV)

315KVA 11KV/400V Transformer	90%
500KVA 11KV/400V Transformer	90%
11KV Incomer/Feeder Isolator 630A	5%
11KV 120mm ² 3core PILC insulated cables with copper conductor	90%
11KV 95mm ² 3core PILC insulated cables with copper conductor	90%
11KV 70mm ² 3core PILC insulated cables with copper conductor	90%
11KV 50mm ² 3core PILC insulated cables with copper conductor	90%
11KV 35mm ² 3core PILC insulated cables with copper conductor	90%
11KV 120mm ² 3core PILC Termination set	90%
11KV 95mm ² 3core PILC Termination set	90%

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

Page 2 of 5



PA36: Declaration Certificate for Local Production and Content for Designated Sectors.

(This form has been aligned with NT - SBD 6.2)

11KV 70mm ² 3core PILC Termination set	90%
11KV 50mm ² 3core PILC Termination set	90%
11KV 35mm ² 3core PILC Termination set	90%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.resbank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder
entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
 - (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

PA36: Declaration Certificate for Local Production and Content for Designated Sectors.

(This form has been aligned with NT - SBD 6.2)

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

Annex C

Local Content Declaration - Summary Schedule

(C1) Tender No. ID: 164103
 (C2) Tender description:
 (C3) Designated product(s)
 (C4) Tender Authority:
 (C5) Tendering Entity name:
 (C6) Tender Exchange Rate:
 (C7) Specified local content %

Note: VAT to be excluded from all calculations

Pounds EU GBP

Tender item no's	List of Items	Tender price - each (excl VAT)	Calculation of local content			Tender summary					
			Exempted Imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)	Total tender value	Total exempted Imported content	Total Imported content	
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)	(C17)	(C18)	(C19)
SECTION A: LOW VOLTAGE											
1.3.5.3	Footwear-safety shoe						100%	4			
1.3.5.4	Reflective jacket						100%	4			
1.3.5.5	Reflective Trousers						100%	4			
3.1.8	Galvanized draw wire						100%	2,500			
3.2.1	120mm ² x4 core ecc						90%	150			
3.2.2	Termination for 120mm ² x4 core ecc						90%	25			
3.2.3	70mm ² x4 core ecc						90%	150			
3.2.4	Termination for 70mm ² x4 core ecc						90%	25			
3.2.5	50mm ² x4 core ecc						90%	250			
3.2.6	Termination for 50mm ² x4 core ecc						90%	30			
3.2.7	35mm ² x4 core ecc						90%	400			
3.2.8	Termination for 35mm ² x4 core ecc						90%	30			
3.2.9	25mm ² x4 core ecc						90%	400			
3.2.10	Termination for 25mm ² x4 core ecc						90%	30			
3.2.11	16mm ² x4 core ecc						90%	500			
3.2.12	Termination for 16mm ² x4 core ecc						90%	30			
3.2.13	16mm ² x3 core ecc						90%	500			
3.2.14	Termination for 16mm ² x3 core ecc						90%	30			
3.2.15	10mm ² x3 core ecc						90%	600			
3.2.16	Termination for 10mm ² x3 core ecc						90%	30			
3.2.17	6mm ² x3 core ecc						90%	800			
4.1.1	20mm dia conduit (PVC)						100%	2,500			
4.1.2	32mm dia conduit (PVC)						100%	1,000			
4.1.3	20mm dia conduit (galvanized)						100%	2,000			
4.1.4	32mm dia conduit (galvanized)						100%	400			
8.3.3	4.5m galvanized steel pole						100%	15			
8.3.4	9.5m galvanized steel pole						100%	20			
SECTION B: HIGH TENSION (MV)											
2.2.1	315KV 11KV/400V Transformer						90%	3			
2.5.1	500KV 11KV/400V Transformer						90%	2			
2.9.1	11KV Incomer/Feeder 630A						5%	2			
2.15.1	11KV 120mm ² 3core PILC Insulated cables with copper conductor						90%	60			
2.15.2	11KV 95mm ² 3core PILC Insulated cables with copper conductor						90%	120			
2.15.3	11KV 70mm ² 3core PILC Insulated cables with copper conductor						90%	120			
2.15.4	11KV 50mm ² 3core PILC Insulated cables with copper conductor						90%	120			
2.15.5	11KV 35mm ² 3core PILC Insulated cables with copper conductor						90%	120			
2.15.6	11KV 120mm ² 3core PILC Termination set						90%	16			
2.15.7	11KV 95mm ² 3core PILC Termination set						90%	16			
2.15.8	11KV 70mm ² 3core PILC Termination set						90%	10			
2.15.9	11KV 50mm ² 3core PILC Termination set						90%	10			
2.15.10	11KV 35mm ² 3core PILC Termination set						90%	10			

Signature of tenderer from Annex B

Date:

(C20) Total tender value
 (C21) Total Exempt Imported content
 (C22) Total Tender value net of exempt Imported content
 (C23) Total Imported content
 (C24) Total local content
 (C25) Average local content % of tender

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

Tender No. ID: 164103
 Tender description:
 Designated Products:
 Tender Authority:
 Tendering Entity name:
 Tender Exchange Rate:

Notes: VAT to be excluded from all calculations

EU GBP

Pula

A. Exempted imported content

Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Calculation of imported content			Total landed cost excl VAT	Exempted Imported value
						Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties		
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)
(D19) Total exempt imported value										
This total must correspond with Annex C - C.21										

B. Imported directly by the Tenderer

Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Calculation of imported content			Total landed cost excl VAT	Total Imported value
						Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties		
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)	(D30)
(D32) Total Imported value by tenderer										
This total must correspond with Annex C - C.21										

C. Imported by a 3rd party and supplied to the Tenderer

Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Calculation of imported content			Total landed cost excl VAT	Quantity Imported	Total Imported value
						Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties			
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)	(D43)	(D44)
(D45) Total Imported value by 3rd party											
This total must correspond with Annex C - C.23											

D. Other foreign currency payments

Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of exchange	Calculation of foreign currency payments		Local value of payments
					Foreign currency value	Tender Rate of exchange	
(D46)	(D47)	(D48)	(D49)	(D50)	(D51)	(D52)	(D51)
(D52) Total of foreign currency payments declared by tenderer and/or 3rd party							
(D53) Total of Imported content & foreign currency payments - (D32), (D45) & (D52) above							
This total must correspond with Annex C - C.23							

Signature of tenderer from Annex B

Date: _____

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)
(E2)
(E3)
(E4)
(E5)

Tender No.	ID: 164103
Tender description:	
Designated products:	
Tender Authority:	
Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased (E6)	Local suppliers (E7)	Value (E8)
(E9) Total local products (Goods, Services and Works)			

(E10) Manpower costs (Tenderer's manpower cost)

(E11) Factory overheads (Rental, depreciation & amortisation, utility costs, consumables etc.)

(E12) Administration overheads and mark-up (Marketing, insurance, financing, interest etc.)

(E13) Total local content

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date:

TOTAL- PRICE SUMMARY BILL - LV&HT - KIMBERLEY AND SURROUNDING AREAS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL AMOUNT</u>
Bill No. 1	Section A: Low Voltage	
Bill No. 2	Section B: High Tension (Medium Voltage)	
	SUB-TOTAL	
	ADD VAT @15%	
	TOTAL - TO BE CARRIED TO THE FORM OF OFFER	

SECTION A - PRICE SUMMARY BILL - LOW VOLTAGE - KIMBERLEY AND SURROUNDING AREAS

ITEM	DESCRIPTION	TOTAL AMOUNT
Bill No. 1	Preliminary & General	
Bill No. 2	LV Switchgears and Distribution Boards	
Bill No. 3	Mains Cabling & Cable Sleeves	
Bill No. 4	General Lighting	
Bill No. 5	Luminaires	
Bill No. 6	Small Power	
Bill No. 7	Earthing and Lightning Protection	
Bill No. 8	Area/Perimeter Lighting	
Bill No. 9	Day Work and Non-Schedule Items	
	SUB-TOTAL - TO BE CARRIED TO THE TOTAL SUMMARY	

ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			TOTAL AMOUNT A+B
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	
BILL NO:01									
	BILL NO. 1: PRELIMINARY AND GENERAL Conditions of Contract: Compliance with all contractual requirements and obligations in terms of GCC 2010, 2nd edition.								
1.1	FIXED CHARGES								
1.1.1	Site Establishment	Sum	1			0			
1.1.2	Provision of Central Office and Storage of equipment	Sum	1			0			
1.1.3	Removal of Site Establishment and Equipment to DPWI workshop-Kimberley	Sum	1			1			
1.1.4	Extent of Fixed-charge Obligations	Sum	1			1			
1.1.5	Provision for Health & Safety File in Compliance with occupational Health & Safety Act	Sum	1			0			
1.1.6	Rubbish and Waste Management Plan	Sum	1			1			
1.1.7	Training, issuing of user guides and manuals.	Sum	1			0			
1.1.8	(Please Specify)								
1.1.9								
1.2	CONTRACTUAL REQUIREMENTS								
1.2.1	Provision of Sureties	Sum	1			0			
1.2.2	Insurance: Public Liability	Sum	1			0			
1.2.3	Provision of Record Drawings	Sum	1			0			
1.2.4	Other Value Related Obligations	Sum	1			0			
1.2.5	(Please Specify)								
1.2.6								
1.2.7								
1.2.8								
1.2.9								
1.3	TIME-RELATED ITEMS								
1.3.1	Contractual Requirements								
	Insurance: Special Risk(SASRIA)	Months	12			12			
	Insurance: Occupational Compensation(COID)	Months	12			12			
	Programme of Works	Months	1			1			
	Progress of the Works	Months	12			12			
1.3.2	Operation and Maintenance of Site Establishment								
	Admin facilities: Instructions books/Records, communication and etc	Months	12			12			
	Signage	No	20			20			
			TOTAL CARRIED FORWARD TO THE NEXT PAGE						

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						
		Months	12		12	
1.3.3	Supervision for the Duration of Contract Access Control & Identity of staff	Months	12		12	
1.3.4	OHS: Compliance with the Act including additional requirements (Covid-19) Safety Officer: Appoint including OHS reports First Aid Kit: Supply & Maintain Covid-19 Requirements	Sum Sum Months	1 1 12		1 1 12	
1.3.5	EPWP Programme The provision of remuneration is based on official labour rate(R21,69/hr) as the amount agreed by NMW from the Minister of Labour. The tender shall include full compensation for all costs associated with the employment of four(4) workers, and complying with the conditions of EPWP and of contract. The cost for the training shall be excluded from this item. This is based on 24 months period, but employment is based on year one and year two. Electrical students are recommended for this opportunity for training purposes and skills transfer. Allowance of R3600.00/month per student is calculated based on R21.69*8hrs*21days.					
1.3.5.1	Allowance of R14 400 for 4 student per/month	Months	12		12	
1.3.5.2	Profit and Attendance to the above item	%	%		%	
1.3.5.3	Footwear-Safety Shoe	each	4		4	
1.3.5.4	Reflective Jacket as per SANS 1866 - Orange	each	4		4	
1.3.5.5	Reflective Trousers as per SANS 1866 - Orange	each	4		4	
1.3.5.6	Supply basic electrician tool box	Sum	4		4	
1.3.6	(Please Specify).....				0	
1.3.7					
1.3.8					
1.3.9					
TOTAL BILL NO.1 CARRIED OVER TO SUMMARY OF BILLS						

ITEM	DESCRIPTION	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B
		UNIT	QTY	RATE	AMOUNT A	
BILL NO.2: LV SWITCHGEARS AND DISTRIBUTION BOARD						
	Supply, maintain, repair and commission complete switchgears and distribution boards where necessary, including all busbars and din-rails as specified to relevant sections below with their standard specification. PLEASE NOTE: Labour/Install rate is measured somewhere					
LV SWITCHGEARS						
2.1	Miniature Circuit Breakers (MCB) As per SANS 556-1/IEC 60947-2, with a fault level current 2.5 to 10KA, C curve and D curve.					
2.1.1	Single Pole MCB (2Amps to 32Amps) Supply	Unit	150			100
2.1.2	Single Pole MCB (40Amps to 125Amps) Supply	unit	100			50
2.1.3	Double Pole MCB (2Amps to 32Amps) Supply	unit	150			100
2.1.4	Double Pole MCB (40Amps to 125Amps) Supply	unit	100			50
2.1.5	Triple Pole MCB (6Amps to 40Amps) Supply	unit	100			50
2.1.6	Triple Pole MCB (50Amps to 125Amps) Supply	unit	50			50
2.2	Earth Leakage Protection Unit As per IEC/EN 60898, with sensitivity tripping current 30mA And fault level current 6KA					
2.2.1	Double Pole Unit (25Amps to 63Amps) Supply Install	Unit	100			50
		TOTAL CARRIED FORWARD TO THE NEXT PAGE				

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE									
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	QTY	RATE	AMOUNT B	TOTAL AMOUNT
2.2.2	Triple Pole Unit -Neutral (63Amps) Supply	unit	30			15			
2.3	Molded-Case Circuit Breakers (MCCB)/Switch Disconnector As per SANS/IEC 60947-3, with a fault level current 2 to 25KA.								
2.3.1	Triple Pole Unit (63 Amps to 160 Amps) Supply	unit	15			15			
2.3.2	Triple Pole Unit (200 Amps to 1600 Amps) Supply	unit	10			10			
2.4	Miscellaneous Accessories for Switching Including Contactors, Relays, Timers and etc								
2.4.1	Provisional amount Profit and Attendance on above	Sum %	1	R 70,000.00	R 70,000.00	1	R 30,000.00	R 30,000.00	
2.5	DISTRIBUTION BOARDS DB's will differ with dimension on domestic and commercial type.								
2.5.1	Domestic Distribution Boards Flush Adjustable Distribution Boards - All Colours Metal pre-fitted for din or samite complete with metal chassis and tray. Supply	unit	10			5			
2.5.2	Surface Mounted Distribution Boards - All colours Metal pre-fitted for din or samite Supply	unit	5			5			
2.6	Commercial Distribution Boards								
2.6.1	Flush Architrave Distribution Boards with Door - All colours Complete with metal push handle, metal hinges. Pre-fitted for samite or din Supply	unit	5			5			
2.6.2	Surface Cabinet Distribution Board with Door - All colours Metal pre-fitted for samite or din Supply	unit	5			5			
2.6.3	Kiosks (Metal or Fibreglass) Supply	unit	10			3			
2.7	Distribution Board - Painting and Lockers Allowance for painting with similar colour and Lockers Profit and attendance on above	Sum %	1	R 30,000.00	R 30,000.00	1	R 15,000.00	R 15,000.00	
TOTAL BILL NO.2 CARRIED OVER TO SUMMARY OF BILLS									

ITEM	DESCRIPTION	UNIT	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B
			QTY	RATE	QTY	RATE	
3	BILL NO.3: MAINS CABLING AND CABLE SLEEVES						
3.1	CABLE SLEEVES Solid or flexible PVC cable sleeves chased or surfaced onto brickwork or laid in the open trench or under concrete floor including couplings, backfilling and compacting <i>NOTE: Sleeves for future use to be sealed at both ends</i> <i>Rate for labour is measured somewhere</i>						
3.1.1	110mm diameter (kabelflex sleeve) Supply	m	400			200	
3.1.2	45 degrees slow bends for 110mm dia.sleeve Supply	each	200			100	
3.1.3	50mm diameter (kabelflex sleeve) Supply	m	500			300	
3.1.4	45 degrees slow bends for 50mm dia.sleeve Supply	each	200			100	
3.1.5	32mm diameter (kabelflex sleeve) Supply	m	500			500	
3.1.6	45 degrees slow bends for 32mm dia.sleeve Supply	each	300			300	
TOTAL CARRIED FORWARD TO THE NEXT PAGE							

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
3.1.7	Cleaning and maintaining including paint of LV room service trench with cross bracing for LV Panel, chequer plate covers and the whole interior of lv room. Allowance amount per facility	Sum	50			50		
3.1.8	Drawn into conduit or sleeve 1,6mm galvanised draw wire Supply	m	1500			1000		
3.1.9	P9000 in roof space for light, power cables and power conductors complete with cover strips Supply	m	400			400		
3.1.10	P220 wire basket in roof space for power cables complete with cover strips Supply	m	400			400		
3.1.11	150mm wide medium duty cable tray including hangers and fixing Supply	m	300			300		
3.2	LOW VOLTAGE CABLES Supply cable where needs to be serviced through cable sleeve in trench or on cable trays and sleeves							
		TOTAL CARRIED FORWARD TO THE NEXT PAGE						

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE									
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	TOTAL AMOUNT		
3.2.1	120mm ² x 4 core ECC Supply	m	100			50					
3.2.2	Termination for 120mm ² x 4 core cable Supply	each	20			5					
3.2.3	70mm ² x 4 core ECC Supply	m	100			50					
3.2.4	Termination for 70mm ² x 4 core cable Supply	each	20			5					
3.2.5	50mm ² x 4 core ECC Supply	m	150			100					
3.2.6	Termination for 50mm ² x 4 core cable Supply	each	20			10					
3.2.7	35mm ² x 4 core ECC Supply	m	250			150					
3.2.8	Termination for 35mm ² x 4 core cable Supply	each	20			10					
3.2.9	25mm ² x 4 core ECC Supply	m	250			150					
3.2.10	Termination for 25mm ² x 4 core cable Supply	each	20			10					
		TOTAL CARRIED FORWARD TO THE NEXT PAGE									

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
3.2.11	16mm ² x 4 core ECC Supply	m	300			200		
3.2.12	Termination for 16mm ² x 4 core cable Supply	each	20			10		
3.2.13	16mm ² x 3 core ECC Supply	m	300			200		
3.2.14	Termination for 16mm ² x 3 core cable Supply	each	20			10		
3.2.15	10mm ² x 3 core ECC Supply	m	350			250		
3.2.16	Termination for 10mm ² x 3 core cable Supply	each	20			10		
3.2.17	6mm ² x 3 core ECC Supply	m	500			300		
3.3	Cable Tape Laid in an open trench and 150mm above a cable 150mm wide 800 gauge cable marker tape. Supply	m	1000			500		
3.5	Trenching (LABOUR INTENSIVE) Excavation of cable trench 600mm deep, 400mm wide including backfilling and compacting (see Specification for classification of materials) In earth only when required Soft rock EXTRA OVER earth Hard rock	m3	600			300		
		m3	200			100		
		m3	100			50		
		TOTAL BILL NO.3 CARRIED OVER TO SUMMARY OF BILLS						

BILL NO.4		YEAR ONE			YEAR TWO			TOTAL AMOUNT A+B
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B
4.1	BILL NO.4: GENERAL LIGHTING							
	CONDUIT The supply of PVC conduit. Install is measured elsewhere Prices to include cutting, draw boxes, fixing materials tees, bends, saddles, etc.							
4.1.1	20mm dia conduit Supply	m	1500			1000		
4.1.2	32mm dia conduit Supply	m	500			500		
	Galvanised metal conduit chased into brickwork, cast in concrete or fixed on trusses in ceiling void including cutting, bending, reaming, setting, joining, draw boxes and fixing material (average).							
4.1.3	20mm dia conduit Supply	m	1000			1000		
4.1.4	32mm dia conduit Supply	m	200			200		
4.2	SWITCHES							
4.2.1	16/20A single lever, one way flush mounted rocker or similar type switch (White in colour) Supply	each	500			300		
4.2.2	16/20A single lever, two way flush mounted rocker or similar type switch (White in colour) Supply	each	250			150		
TOTAL CARRIED FORWARD TO THE NEXT PAGE								

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
4.2.3	BROUGHT FORWARD 16/20A two lever, one way flush mounted rocker or similar type switch (White in colour) Supply	each	250			250		
4.2.4	16/20A three lever, one way flush mounted rocker or similar type switch with classic range coverplates (White in colour) Supply	each	200			100		
4.2.5	16/20A four lever, one way flush mounted rocker or similar type switch with classic range coverplates (white in colour) Supply	each	100			100		
4.2.6	16/20A single lever, one way surface mounted weatherproof switch Supply	each	100			100		
4.2.7	Photo Cell- Day/Night Switch Type ZS 20A National photo electric cell Supply	each	200			100		
4.2.8	Dimmer switch - 1000w (one lever, two way) diamond range coverplates(White in colour) Supply	each	50			50		
		TOTAL CARRIED FORWARD TO THE NEXT PAGE						

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
4.3	CONDUCTORS The supply of PVC insulated single core stranded copper conductors drawn into conduits. Installation is measured elsewhere							
4.3.1	1. 5mm ² PVC black and red Supply	m	4000			2000		
4.3.2	2. 5mm ² PVC green / yellow earth wire Supply	m	2000			1000		
4.3.3	1. 5mm ² flat/round twin and earth wire Supply	m	3000			1500		
		TOTAL BILL NO.4 CARRIED OVER TO SUMMARY OF BILLS						

BILL NO. 5										
ITEM	DESCRIPTION	UNIT	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B			
			QTY	RATE	QTY	RATE				
			AMOUNT A	AMOUNT B	QTY	RATE	AMOUNT B			
BILL NO. 5: LUMINAIRES										
5.1	Maintain all luminaires that are surface mounted or recessed on a ceiling, or on brickwork including lamps and fixing material. NOTE: See contract document for detailed technical specifications									
5.1.1	Radiant recessed fluorescent 3x36W light fitting with efficient diffuser Supply	each	100		50					
5.1.2	Open channel fluorescent 18 to 36W Light fitting Supply	each	200		200					
5.1.3	20W LED or PL9 bulkhead light fitting in an average ambient temperature environment up to 35C, very long and reliable product life-up to 36000 hours, IP65 Supply	each	300		300					
5.1.4	Waterproof and corrosion resistant fluorescent Light Supply	each	150		50					
TOTAL CARRIED FORWARD TO THE NEXT PAGE										

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE									
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	TOTAL AMOUNT
BROUGHT FORWARD									
5.1.5	PL9 downlighter light fitting Supply	each	50			50			
5.1.6	Supply light fixture components								
	Starters	each	###			1000			
	Ballast/choke	each	###			1000			
	Ignitor	each	###			1000			
TOTAL BILL NO.5 CARRIED OVER TO SUMMARY OF BILLS									

ITEM	DESCRIPTION	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B
		QTY	RATE	RATE	AMOUNT B	
BILL NO.6: SMALL POWER						
CONDUIT AND CONDUIT ACCESSORIES						
SABS APPROVED CONDUIT						
PVC conduit. The supply of conduit including cutting, drawboxes and fixing materials						
6.1.1	20mm dia Supply	1000		500		
6.1.2	25mm dia Supply	500		250		
CONDUIT ACCESSORIES						
PVC SABS APPROVED CONDUIT						
The supply of drawboxes including locknuts, bushes, coverplates, fixing materials when required etc.						
6.1.3	Round box for 20mm Supply	200		200		
6.1.4	Round box for 25mm Supply	100		100		
TOTAL CARRIED FORWARD TO THE NEXT PAGE						

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT	QTY	RATE	
6.2	CONDUCTORS The supply of PVC insulated stranded single core copper conductors drawn into conduits and ducting							
6.2.1	2.5mm ² PVC black and red Supply	m	2000			1000		
6.2.2	4mm ² PVC black and red Supply	m	1000			1000		
6.2.3	2.5mm ² PVC insulated green/yellow earth wire Supply	m	1000			500		
6.3	SOCKET OUTLETS AND ISOLATORS							
6.3.1	16A 3 pin single switch socket outlets complete with range coverplates Supply	each	200			200		
6.3.2	16A 3 pin double switch socket outlets complete with range coverplates Supply	each	200			200		
		TOTAL CARRIED FORWARD TO THE NEXT PAGE						

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
6.3.3	Cluster unit with 2 pin, 2 essential switched socket outlets with data and telephone point in diamond range cover or similar Supply	each	50			50		
6.3.4	15A switchless socket outlets Supply	each	150			150		
6.3.5	60 Ampere, triple pole isolator for Hot water cylinder, including diamond range cover Supply	each	200			100		
6.3.6	40 Ampere double pole for Stove Isolator including diamond range or similar cover Supply	each	100			100		
6.3.7	25 Ampere, one lever surface weatherproof isolator for cassette room airconditioner Supply	each	50			50		
6.3.8	30 Ampere, triple pole isolator Supply	each	100			100		
TOTAL CARRIED FORWARD TO THE NEXT PAGE								

ITEM	DESCRIPTION	TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE						TOTAL AMOUNT
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	
6.4	POWER SKIRTING AND POWER TRUNKING The supply of modular pre-galvanised 2 compartment power skirting or power trunking complete with 2 separate clip on steel full length covers colour hospital grey or similar, Endcap/top end, Inside Bend, OutsideBend, Corner Riser, Mid Point "TEE" Riser etc.							
6.4.1	2 compartment P802 power ducting complete with 55mm cover Supply	m	200			100		
6.4.2	16A 3 pin round socket outlet Supply	each	100			100		
6.4.3	16A 3 pin flat dedicated socket outlet Supply	each	100			100		
6.4.4	RJ45 Blank cover Supply	each	100			50		
6.4.5	RJ11 Blank cover Supply	each	100			50		
TOTAL BILL NO.5 CARRIED OVER TO SUMMARY OF BILLS								

BILL NO.7

ITEM	DESCRIPTION	UNIT	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B
			QTY	RATE	QTY	RATE	
7.1	BILL NO.8: EARTHING AND LIGHTNING PROTECTION						
7.1.1	EARTHING Earthing and bonding to SANS 10142-1	Sum	1	R 5,000.00	R	5,000.00	R10,000.00
7.2	TESTING & COMMISSIONING						
7.2.1	Testing of the complete LPS installation in terms of SANS 10142-1 and provision of Certificates of Compliance	Item	50	R 1,500.00	R	75,000.00	R155,000.00
7.3	BONDING OF WATER MAINS AND CABLES						
7.3.1	Bond the proposed water main to the adjacent down conductor. All water pipes, hand basins, sinks, baths, gutters and rain water pipes shall be bonded. All external earth wires and cable armouring from the incoming and outgoing cables will be properly crimped into cable lugs and bolted to their respective earth bars.	Sum	1	R 10,000.00	R	10,000.00	R20,000.00
7.4	LIGHTNING PROTECTION						
7.4.1	Earthrods. Maintain all the earthrods and ensure the connection to the earth wire to achieve equal potential bonding 1500mm Copper Earthrods/spikes for Equipotential Bonding Links Supply	each	50	R 260.00	R	13,000.00	R27,000.00
7.4.2	Supply or Maintain Down Aluminium rod strictly in accordance with the relevant SANS & IEC Specifications 16mm² Aluminium Rods or similar Supply Terminate	m each	1000 100	R 48.00 R 30.00	R	48,000.00 3,000.00	R98,000.00 R6,200.00
TOTAL CARRIED FORWARD TO THE NEXT PAGE							R316,200.00

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE									
ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	TOTAL AMOUNT	
7.5 Bare Stranded Copper Earth Wire Supply or Maintain Bare Stranded Copper wires in trenches including termination for Equipotential Bonding strictly in accordance with the relevant SANS & IEC Specifications									
7.5.1 35mm ² copper cable	m	700			700				
Supply	each	70			70				
Terminate									
7.6 Ring Earth Trenching Trenching and backfilling in compacted layers, including bedding and installation of warning tape									
7.6.1 above cable.	m ³	20			20				
Pickable soil									
TOTAL BILL NO.8 CARRIED OVER TO SUMMARY OF BILLS									

BILL NO.8											
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			TOTAL AMOUNT A+B		
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B			
8.1	BILL NO.8: AREA/PERIMETER LIGHTING										
	LOW VOLTAGE CABLE										
	Maintain, Provide test and commission the following 1 000V ECC/SWA/ECC copper cable.										
8.1.1	6mm ² x 3 core ECC supply Termination	m each	1500 50			1000 30					
8.1.2	2.5mm ² x 3 core ECC supply Termination	m each	500 20			250 30					
8.2	CABLE TRENCHES										
	Excavation and back-fill cable trenches as per specification.(Including soft soil layer around cable). The excavation for the perimeter poles are included here.										
8.2.1	Pickable soil	m ³	1000			500					
8.2.2	Hard rock	m ³	100			50					
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE										
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	TOTAL AMOUNT	R312,770.00
8.3	LIGHT FITTINGS Maintain, provide, install and connect completely the following light fittings as described and light accessories. Light fittings shall be complete with lamps and shall be approved by the Department									
8.3.1	43Watt or similar type post top luminaires to provide area lighting along the parking area Supply	each	100	R 2,500.00	R 250,000.00	50	R3,000.00	R150,000.00	R400,000.00	
8.3.2	108-279Watt similar type flood lights to provide security/perimeter lighting Supply	each	30	5500	R 165,000.00	20	R5,600.00	R112,000.00	R277,000.00	
8.3.3	4.5m Galvanized steel pole or similar for post top luminaire Supply	each	10	R 2,200.00	R 22,000.00	5	R2,300.00	R11,500.00	R33,500.00	
8.3.4	9.5m Galvanized steel pole or similar for flood lights Supply	each	15	R 3,500.00	R 52,500.00	5	R3,600.00	R18,000.00	R70,500.00	
8.3.5	Light Fixture Components Supply Starters Ballast/choke Ignitor	each each each	1000 1000 1000	R R 100.00 R 150.00	R 9,000.00 R 100,000.00 R 150,000.00	500 500 500	R10.00 R105.00 R150.00	R5,000.00 R52,500.00 R75,000.00	R14,000.00 R152,500.00 R225,000.00	
TOTAL BILL NO.9 CARRIED OVER TO SUMMARY OF BILLS										R1,485,270.00

ITEM	DESCRIPTION	UNIT	YEAR ONE		YEAR TWO		TOTAL AMOUNT A+B
			QTY	RATE	RATE	AMOUNT B	
9	BILL NO.9: DAY WORK (LABOUR/INSTALL AND TRANSPORT COSTS) AND NON-SCHEDULED ITEMS						
9.1	DAY WORK						
9.1.1	Normal Hours						
	Supervisor (Pr/candidate ECSA OR Licenced from DOL)	Hour	50				
	Electrician (Licenced from DOL)	Hour	250				
	Semi-skilled labourer	Hour	250				
	General labourer	Hour	250				
9.1.1	Overtime Hours						
	Overtime is subject ONLY when the breakdown or emergency occurs after 6PM. No general labour or supervisor shall benefit from overtime.						
	Electrician	Hour	100				
	Semi-skilled labourer	Hour	100				
9.2	TRANSPORT COST						
	All distance for: inspection, repairs, maintenance and any installation will be measure from reference location identified at Kimberley						
9.2.1	Type A (170p) vehicle travelling rate	km	2500				
9.2.2	Type B (270p) vehicle travelling rate	km	7500				
9.2.3	Type C (470p) vehicle travelling rate	km	2500				
9.2.4	Use of a self-propelled cherry picker	hr	100				
9.2.5	Use of TLB	hr	100				
9.2.6	Use of crane truck	hr	100				
9.3	ELECTRICAL COC's						
	Testing and commissioning of electrical installation or provision of supplementary COC as per SANS 10142-1 and submit Certificate of Compliance.						
9.3.1	Allowance amount for COC's	Sum	100				
9.4	NON-SCHEDULED ITEMS						
	This item includes labour and material. Quotation to be submitted prior to the commencement of works. No payment will be made without proof of approval or any instruction from the project leader.						
9.4.1	Allowance for non-schedule items	Sum	1	R 160,000.00	R 160,000.00	R 160,000.00	R 160,000.00
	Profit & Attendance to the above item	%	%	%	%	%	%
TOTAL BILL NO.9 CARRIED OVER TO SUMMARY OF BILLS							

SECTION B - PRICE SUMMARY BILL - MEDIUM VOLTAGE - KIMBERLEY AND SURROUNDING AREAS

ITEM	DESCRIPTION		AMOUNT
1	SCHEDULE NO 1	SITE WORKS	R -
2	SCHEDULE NO 2	SCHEDULED MAINTENANCE	R -
3	SCHEDULE NO 3	DAY WORK AND NON-SCHEDULED ITEMS	R -
SUB-TOTAL - TO BE CARRIED TO THE TOTAL SUMMARY			R -

SCHEDULE NO 1

ITEM	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY	
SCHEDULE NO 2								
1.1	SITE WORKS							
	VERIFY EXISTING INSTALLATIONS							
	Inspect, test and report (traveling costs not included):							
1.1.1	Correctional Services Facilities (DCS)	Sum		1			0	Rate Only
1.1.2	Defence Force Facilities (SANDF)	Sum		1			0	Rate Only
1.1.3	Police Station Facilities (SAPS)	Sum		1			0	Rate Only
1.1.4	Justice Facilities (DoJ)	Sum		1			0	Rate Only
1.2	CONTRACTORS DRAWINGS AND EQUIPMENT SPECIFICATIONS							
	Contractor's drawings, designs and product information: Prepare and submit for approval prior to commencement of manufacture and installation							
1.2.1	Related to new components	sum		1				
1.2.2	Related to components altered or replaced	sum		1				
1.3	SUPPLY AUTHORITY							
1.3.1	Arrange for switching of the high voltage supply with User Department and Supply Authority	sum		1			1	
1.4	PRESSURE TEST							
1.4.1	Pressure test MV cable-trace fault.	item		10			10	
1.5	EARTHING							
1.5.1	Test transformer earth submit an earth reading.	ea.		2			5	
1.5.2	1.5m earth electrode, depth of 600mm below final ground level.	ea.		2			5	
1.5.3	70mm sq. earth wire with earth electrodes.	m		10			5	
1.6	CABLE TRENCHES							
	Excavate and back-fill cable trenches, 300mm wide x 650mm deep.							
1.6.1	Earth (Pickable)	m		70			70	
1.6.2	Soft rock (Pneumatic)	m		40			40	
1.6.3	Soft soil backfilling material	cu m		10			10	
1.7	CABLE MARKER TAPE							
1.7.1	Cable marker tape above cables.	m		10			70	
1.8	CONFIRM EXISTING CABLE ROUTE							
1.8.1	Confirm MV or LV supply cable route and position with a thumper / cable detector.	Hr		20			20	
1.9	CONFIRM CABLE FAULT							
1.9.1	Confirm the position of a cable and cable fault on an MV or LV cable.	Hr		30			30	
1.10	SERVICE AND TIDY EXISTING DISTRIBUTION KIOSK							
1.10.1	Tidy, make safe and label	ea.		5			5	
1.10.2	Clean sand paper and spray paint an existing distribution kiosk - e.g. 1000mmx1000mmx350mm.	m ²		5			5	
1.10.3	Hasp and staple at a distribution kiosk.	ea.		5			5	
1.10.4	Key alike lock for a distribution kiosk. (Viro Type 50mm)	ea.		5			5	
CARRIED FORWARD TO SUMMARY								
								Kimberley Section B - Medium Voltage - Black

SCHEDULE NO 2

	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B	
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY		AMOUNT B
2	SCHEDULED MAINTENANCE								
2.1	SUBSTATION EQUIPMENT								
2.1.1	Transformer Maintenance (50 - 315kVA 11000/400 V Oil Cooled) Service of transformers including checking oil leaks, buchholz relay, tap settings, secondary voltage etc (per transformer every 3 months, rate excluding transport) Pole mounted transformer maintenance (50-200kVA 11000/400V oil cooled) Service of transformers including checking oil leaks, buchholz relay, tap settings, secondary voltage etc (per transformer every 3 months, rate excluding transport)	No		30			30		
2.1.2	Transformer Repairs (50 - 315kVA 11 00/400 Oil Cooled) Supply, install and commission the following, inclusive of all material required	No		15			15		
2.1.3	Gasket seals (0-100cm2)	No		10			10		
2.1.4	Gasket seals (100-1000cm2)	No		30			30		
2.1.5	Insulators	No		10			10		
2.1.6	Breather units	No		10			10		
2.1.7	Conservator tanks	No		10			10		
2.1.8	Buchholz relay	No		10			10		
2.1.9	Temperature gauge	No		10			10		
2.1.10	Silica gel replacement (50-315 kVA)	kg		10			10		
2.2	Supply, install, decommission old transformer, test and commissioning of the following including all necessary materials: Specification to be provided when this request is due								
2.2.1	315kVA 11kV/400V Transformer	item		2			2		
2.2.2	Hiring of Transformer (315kVA) 400V	Day		10			10		
2.3	Transformer Maintenance (500 - 1250 kVA 11000/400 V Oil Cooled) Service of transformers including checking oil leaks, buchholz relay, tap settings, secondary voltage etc (per transformer every 3 months, rate excluding transport)								
2.3.1	Transformer Repairs (500 - 1250kVA 11 00/400 Oil Cooled) Oil leak repair at the following components	No		40			40		
2.4	Transformer Repairs (500 - 1250kVA 11 00/400 Oil Cooled)								
2.4.1	Oil leak repair at the following components	No		5			5		
2.4.2	Insulators	No		5			5		
2.4.3	Breather units	No		5			5		
2.4.4	Conservator tanks	No		5			5		
2.4.5	Buchholz relay	No		5			5		
2.4.6	Temperature gauge	No		5			5		
2.4.7	Gasket seals (0-100cm ²)	No		20			20		
	CARRIED FORWARD								

ITEM	DESCRIPTION	UNIT	YEAR 1		YEAR 2		TOTAL AMOUNT A+B
			RATE	QTY	RATE	QTY	
BROUGHT FORWARD							
2.4.8	Gasket seals (100-1000cm ²)	No		30		30	
2.4.9	Silica gel replacement (500-1250 kVA Transformer)	kg		5		5	
2.5	Supply, install, decommission old transformer, test and commissioning of the following including all necessary materials: Specification to be provided when this request is due						
2.5.1	500KVA 11KV/400V Transformer	item		1		1	
2.5.2	Hiring of Transformer (500KVA) 400V	Day		5		5	
2.6	Supply and Install Equipment / Material						
2.6.1	Buchholz Relay	No		4		4	
2.6.2	Temperature Gauge	No		6		6	
2.6.3	Transformer Oil	Item		3,000		3,000	
2.6.4	Tap Changer Switch (average size)	Item		1		1	
2.6.5	Ammeter Fuse	Item		5		5	
2.6.6	Bushing Insulator	Item		5		5	
CARRIED FORWARD							

ITEM	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY	
	BROUGHT FORWARD							
2.6.7	Sight glass	item		4			3	
2.6.8	Gasket seal set	item		5			5	
	Perform the following							
2.7.1	Oil test	No		10			10	
2.7.2	Purification per 4 Pass complete	No		10			10	
	ELECTRICAL MV							
	MV Panels							
2.8.1	Maintenance inspection	per panel		60			60	
	Supply, install, decommission old panel, test and commissioning of the following including all necessary materials. (Specification to be provided when this request is due)							
2.9.1	11kV Incomer / Feeder Isolator 630A (incl. overcurrent and earth fault protection)	No		1			1	
2.9.2	Outdoor unit including plinth, 11kV incomer/feeder isolator 630A (incl. overcurrent and earth fault protection)	No		1			1	
2.9.3	Metering installed in 11kV ; 630A Panel including CTs a	No		1			1	
2.9.4	Fuse link (11kV; 630A panel)	No		1			1	
2.9.5	11kV Incomer / Feeder Isolator 630A	No		1			1	
2.9.6	Metering installed in 11kV ; 630A Panel including CTs and VTs	No		1			1	
2.9.7	Fuse link (11kV; 630A panel)	No		1			1	
2.9.8	Outdoor unit including plinth, 11kV Ring Main Units (RMUs) 630A (3 incomer isolators, 1 transformer isolator with fuses)	No		1			1	
2.9.9	11kV Ring Main Units (RMUs) 630A (3 Incomer isolators, 1 transformer isolator with CB)	No		1			1	
2.9.10	11kV Busbar VT	No		1			1	
	CARRIED FORWARD							

ITEM	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY	
BROUGHT FORWARD								
2.9.11	11kV Busbar VT	No		1			1	
2.9.12	Supply and install DC tripping coils complete with wiring	No		3			3	
2.10 Electrical Standoff Switches								
<u>Supply, install, test and commissioning of the following:</u>								
2.10.1	Install standoff switch (tripping only)	No		20			20	
2.10.2	Install standoff switch (tripping and closing)	No		3			3	
2.10.3	Supply standoff lead	No		20			20	
2.11 DC Tripping Gear								
2.11.1	Set and Calibrate	No		30			30	
2.11.2	Clean	No		30			30	
2.12 Minisubstation								
<u>Minisubstation maintenance (200-500KVA, 11000/400V)</u>								
2.12.1	Service of transformers including checking oil leaks, buchholz relay, tap settings, secondary voltage etc (per transformer every 3 months, rate excluding transport)	No		184			184	
<u>Supply, install, decommission old minisub, test and commissioning of the following including all necessary</u>								
2.12.2	315-500 KVA 11kV/400V Mini Substation	No		2			2	
2.12.3	Spray painting - Mini Substation	m ²		300			300	
2.13 BTU								
<u>Supply, install, decommission old BTU, test and commissioning of the following including all necessary materials:</u>								
2.13.1	30Vdc BTU	No		5			5	
2.13.2	30V Battery Set	No		5			5	
2.14 Overhead Line Maintenance 400V to 11kV								
2.14.1	Overhead Line Maintenance (Visual inspection, line tension, line insulation, line earth, cross-arm and poles, every 3 months, rate including transport)	No		10			10	
2.15 Cables, Termination and Joint Kits								
<u>Supply, install, remove old cables, test the following:</u>								
2.15.1	11kV 120mm ² 3-core PILC insulated cables with copper conductor	m		30			30	
CARRIED FORWARD								

ITEM	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY	
	BROUGHT FORWARD							
2.15.2	11kV 95mm ² 3core PILC insulated cables with copper conductor	m		60			60	
2.15.3	11kV 70mm ² 3core PILC insulated cables with copper conductor	m		60			60	
2.15.4	11kV 50mm ² 3core PILC insulated cables with copper conductor	m		60			60	
2.15.5	11kV 35mm ² 3core PILC insulated cables with copper conductor	m		60			60	
2.15.6	11kV 120mm ² 3core PILC Termination Set	No		8			8	
2.15.7	11kV 95mm ² 3core PILC Termination Set	No		8			8	
2.15.8	11kV 70mm ² 3core PILC Termination Set	No		5			5	
2.15.9	11kV 50mm ² 3core PILC Termination Set	No		5			5	
2.15.10	11kV 35mm ² 3core PILC Termination Set	No		5			5	
2.15.11	90/120mm 11kV joint kit	No		10			10	
2.15.12	70mm 11kV joint kit	No		10			10	
2.15.13	50mm 11kV joint kit	No		10			10	
2.15.14	35mm 11kV joint kit	No		10			10	
	CARRIED FORWARD							

ITEM	DESCRIPTION	YEAR 1			YEAR 2			TOTAL AMOUNT A+B	
		UNIT	RATE	QTY	AMOUNT A	RATE	QTY		AMOUNT B
	BROUGHT FORWARD								
2.16	Switchrooms								
	<u>Supply and install the following</u>								
2.16.1	Line diagrams	No		50					
2.16.2	Panel labelling	No		30					
2.16.3	Ammeter fuse	No		30					
2.16.4	Volts meter	No		20					
2.16.5	Selecter switch	No		20					
2.16.6	Log book	No		60					
2.16.7	CT test	No		10					
2.16.8	Earthing test (1 Ohm)	No		10					
2.17	Building								
2.17.1	Clean inside/outside of substation	m²		200					
2.17.2	Vibro A83 Padlock	No		20					
2.17.3	Concrete ramps at entrance	m²		100					
2.17.4	Inspect Roof & Gutters on Substation	m²		5					
2.17.5	Inspect damage to concrete floors	m²		1					
2.17.6	Inspect damage to concrete trenches	m²		1					
2.17.7	Trench cover plates (600mm reinforced)	m²		10					
2.18	PAINTINGS AND COATINGS								
2.18.1	Substation walls: pure acrylic paint white	m²		30					
2.18.2	Floor screed: epoxy coating standard	m²		25					
2.18.3	Floor screed: epoxy coating self levelling	m²		25					
2.18.4	Window frames, steel: Max 1200x900mm	m²		10					
2.18.5	Window frames, varnished timber: Max 1200x900mm	m²		10					
2.18.6	Door frames, varnished timber	m²		10					
2.18.7	Doors, varnished timber	m²		20					
2.18.8	Supply and Install Galvanised Metal Roof Sheet	m²		15					
2.19	Safety Signs								
2.19.1	Danger Sign - High Voltage			30					
2.19.2	Unauthorised Entry Prohibited Warning Sign			15					
2.19.3	Procedure in case of Electric Shock Warning Sign			15					
2.19.4	Procedure in case of Fire Warning Sign			15					
2.19.5	Unauthorised Handling of Equipment Prohibited Warning Sign			15					
	CARRIED FORWARD TO SUMMARY								
								RD.00	

PG-01.1 (EC) SCOPE OF WORKS – (GCC (2010) 2nd EDITION: 2010)

Project title:	<i>KIMBERLEY AND SURROUNDING AREAS: MAINTENANCE, REPAIRS, SERVICING OF HIGH TENSION EQUIPMENT AND LOW VOLTAGE INSTALLATION: 24 MONTHS TERM CONTRACT FOR VARIOUS CLIENTS</i>		
Tender no:	ID:164103	Reference no:	19/2/4/2/2/2022-2024

C3. Scope of Works

CONTENTS

C3.1 STANDARD SPECIFICATIONS

C3.2 PROJECT SPECIFICATIONS

A: GENERAL

- PS-1 PROJECT DESCRIPTION
- PS-2 DESCRIPTION OF SITE AND ACCESS
- PS-3 MAINTENANCE AND REPAIRS PROGRAMME
- PS-4 OCCUPATIONAL HEALTH AND SAFETY PLAN

B: AMENDMENTS TO THE PARTICULAR SPECIFICATIONS

Specify if any.....

- 1.
- 2.

C3.3 PARTICULAR SPECIFICATIONS

- PS-1 GENERAL MAINTENANCE

C3.1 STANDARD SPECIFICATIONS:

The standard specifications on which this contract is based are the **South African Bureau of Standards Standardized Specifications for Civil Engineering Construction SABS 1200**. *(Note to compiler. "SABS" has been changed to "SANS"; the SABS 1200 specifications are due to be replaced in the foreseeable future by SANS 2100)*

Although not bound in nor issued with this Document, the following Sections of the Standardized Specifications of SABS 1200 shall form part of this Contract:

A - 1986 - GENERAL / D – (etc, to be provide by compiler)

C3.2 PROJECT SPECIFICATIONS:

Status

The Project Specification, consisting of two parts, forms an integral part of the contract and supplements the Standard Specifications.

Part1 A contains a general description of the works, the site and the requirements to be met.

Part B contains variations, amendments and additions to the Standardized Specifications and, if applicable, the Particular Specifications.

In the event of any discrepancy between a part or parts of the Standardised of Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

3.2.1 GENERAL

PS-1 PROJECT DESCRIPTION:

KIMBERLEY AND SURROUNDING AREAS: MAINTENANCE, REPAIRS, SERVICING OF HIGH TENSION EQUIPMENT AND LOW VOLTAGE INSTALLATION: 24 MONTHS TERM CONTRACT FOR VARIOUS CLIENTS.

PS-2 DESCRIPTION OF SITE AND ACCESS

The department of SANDF, SAPS and DCS may require the contractor to have his personnel or certain number of them to perform security screening for security reasons.

Contractor's personnel must have identity document and uniform so that they can be easily identified by Public Works Clients.

PS-2 DESCRIPTION OF SITE AND ACCESS

The contractor shall use competent trained staff directly employed and supervised by delegated supervisor and shall take all reasonable care to maintain the installation and keep staff members in proper working conditions.

Arrange with the occupants of buildings regarding access to the premises in order to execute the required services.

Take adequate precautions to prevent any loss or damages to building such as fittings, furnisher inside or any belongings of the building within the premises.

Any claims by the client due to the negligence or misconduct by the service provider or employee by the contractor shall be and remains the liability, responsibility of the service provider (contractor).

Service provider shall comply with all by-laws and requirements of the local authority.

Maintenance, servicing and repairs must be taken place during normal working hours except arrangement has been made or breakdown/emergency occurs.

The contractor must ensure that log book is easily accessible by the department and must always be on site at all times with client maintenance unit/representative.

PS-3 MAINTENANCE AND REPAIRS PROGRAMME

The contractor must provide department and client with programme (any format is accepted which details all the milestones of the contract period), at least every 6 months the programme must be revised and resubmitted to the project manager.

The programme must be submitted within 14 days before the execution of services

PS-4 OCCUPATIONAL HEALTH AND SAFETY PLAN

The contractor must all times be in position of Occupational Health and Safety Plan and it must have approval from DPWI health and safety officer.

The contractor must provide his/her personnel and PPE clothing as per the BOQ.

3.2.2 AMENDMENTS TO THE STANDARD AND PARTICULAR SPECIFICATION:

Specify subheadings below :.....(Additional annexure is required if any addition)

- 1.
- 2.

C3.3 PARTICULAR SPECIFICATIONS:

3.3.1 PART 1 – GENERAL MAINTENANCE

1 TESTS

After completion of the works and before first delivery is taken, a full test will be carried out on the installation for a period of sufficient duration to determine the satisfactory working thereof. During this period the maintenance will be inspected and the Contractor shall make good, to the satisfaction of the Representative/Agent, any defects which may arise.

The Contractor shall provide all instruments and equipment required for testing and any water, power and fuel required for the commissioning and testing of the maintenance at completion.

2 MAINTENANCE OF MAINTENANCE

With effect from the date of the First Delivery Certificate the Contractor shall at his own expense undertake the regular servicing of the installation during the maintenance period and shall make all adjustments necessary for the correct operation thereof.

If during the said period the maintenance is not in working order for any reason for which the Contractor is responsible, or if the maintenance develops defects, he shall immediately upon being notified thereof take steps to remedy the defects and make any necessary adjustments.

Should such stoppages however be so frequent as to become troublesome, or should the maintenance otherwise prove unsatisfactory during the said period the Contractor shall, if called upon by the Representative/Agent or the Director-General, at his own expense replace the whole of the maintenance or such parts thereof as the Representative/Agent or the Director-General may deem necessary with apparatus specified by the Representative/Agent or the Director-General.

3 REGULATIONS

The installation shall be erected and tested in accordance with the Acts and Regulations as indicated in the scope of works

The latest issue of SANS 10142: "Code of Practice for the Wiring of Premises",
The Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended,
The Local Government Act 1998 (Act 10 of 1998) as amended and the municipal by-laws and any special requirements of the local supply authority,
The National Building Regulations and Building Standards Act 1996 (Act 29 of 1996) as amended,
The Electricity Act 1996 (Act 88 of 1996) as amended and

4 NOTICES AND FEES

The Contractor shall give all notices required by and pay all necessary fees, including any inspection fees, which may be due to the local Supply Authority.

On production of the official account, only the net amount of the fee charged by the Supply Authority for connection of the installation to the supply mains, will be refunded to the Contractor by the Department.

5 QUALITY OF MATERIALS

Only materials of first class quality shall be used and all materials shall be subject to the approval of the Department. Departmental specifications for various materials to be used on this Contract are attached to and form part of this specification.

Wherever applicable the material is to comply with the relevant South African Bureau of Standards, specifications, or to British Standard Specifications, where no SABS Specifications exist.

Materials wherever possible, must be of South African manufacture.

6 WORKMANSHIP AND STAFF

Except in the case of electrical maintenance supplied by a single-phase electricity supply at the point of supply, an accredited person shall exercise general control over all electrical installation work being carried out. The workmanship shall be of the highest grade and to the satisfaction of the Department.

All inferior work shall, on indication by the Department's inspecting officers, immediately be removed and rectified by and at the expense of the Contractor.

7 CERTIFICATE OF COMPLIANCE

On completion of the service, a certificate of compliance must be issued to the Department's Representative/Agent in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).

8 EARTHING OF INSTALLATION

Main earthing

The type of main earthing must be as required by the supply authority if other than the Departments, and in any event as directed by the Department's representative, who may require additional earthing to meet test standards.

Where required an earth mat shall be provided, the minimum size, unless otherwise specified, being 1,0m x 1,0m and consisting of 4mm diameter hard-drawn bare copper wires at 250mm centres, brazed at all intersections.

Alternatively or additionally earth rods or trench earths may be required as specified or directed by the Department's authorised representative.

Maintenance shall be effectively earthed in accordance with the "Wiring Code" and to the requirements of the supply authority. All earth conductors shall be stranded copper with or without green PVC installation.

Connection from the main earth bar on the main board must be made to the cold water main, the incoming service earth conductor, if any and the earth mat or other local electrode by means of 12mm x 1,60 mm solid copper strapping or 16 mm² stranded (not solid) bare copper wire or such conductor as the Department's representative may direct. Main earth copper strapping where installed below 3m from ground level, must be run in 20 mm diameter conduit securely fixed to the walls.

All other hot and cold water pipes shall be connected with 12mm x 0,8mm perforated for solid copper strapping (not conductors) to the nearest switchboard. The strapping shall be fixed to the pipework with brass nuts and bolts and against walls with brass screws at 150-mm centres. In all cases where metal water pipes, down pipes, flues, etc., are positioned within 1,6m of switchboards an earth connection consisting of copper strapping shall be installed between the pipework and the board. In vertical building ducts accommodating both metal water pipes and electrical cables, all the pipes shall be earthed at each distribution board.

Roofs, gutters and down pipes

Where service connections consist of overhead conductors, all metal parts of roofs, gutters and down pipes shall be earthed. One bare 10mm² copper conductor shall be installed over the full length of the ceiling void, fixed to the top purlin and connected to the main earth conductor and each switchboard. The roof and gutters shall be connected at 15m intervals to this conductor by means of 12mm X 0,8mm copper strapping (not conductors) and galvanised bolts and nuts. Self-tapping screws are not acceptable. Where service connections consist of underground supplies, the above requirements are not applicable.

Sub-distribution boards

A separate earth connection shall be supplied between the earth busbar in each sub-distribution board and the earth busbar in the Main Switchboard. These connections shall consist of bare or insulated stranded copper conductors installed along the same routes as the supply cables or in the same conduit as the supply conductors. Alternatively, armoured cables with earth continuity conductors included in the armouring may be utilised where specified or approved.

Sub-circuits

The earth conductors of fall sub-circuits shall be connected to the earth busbar in the supply board in accordance with SANS 10142.

Ring Mains

Common earth conductors may be used where various circuits are installed in the same wire way in accordance with SANS 10142. In such instances the sizes of earth conductors shall be equivalent to that of the largest current carrying conductor installed in the wire way, alternatively the size of the conductor shall be as directed by the Engineer. Earth conductors for individual circuits branching from the ring main shall be connected to the common earth conductor with T-ferrules or soldered. The common earth shall not be broken.

Non-metallic Conduit

Where non-metallic conduit is specified or allowed, the installation shall comply with the Department's standard quality specification for "conduit and conduit accessories".

Standard copper earth conductors shall be installed in the conduits and fixed securely to all metal appliances and equipment, including metal switch boxes, socket-outlet boxes, draw-boxes, switchboards, luminaires, etc. The securing of earth conductors by means of self-threading screws will not be permitted.

Flexible Conduit

An earth conductor shall be installed in all non-metal flexible conduit. This earth conductor shall not be installed externally to the flexible conduit but within the conduit with the other conductors. The earth conductor shall be connected to the earth terminals at both ends of the circuit.

Connection

Under no circumstances shall any connection points, bolts, screws, etc., used for earthing be utilised for any other purpose. It will be the responsibility of the Contractor to supply and fit earth terminals or clamps on equipment and materials that must be earthed where these are not provided.

Unless earth conductors are connected to proper terminals, the end shall be tinned and lugged.

C3.4 STANDARD MINIMUM REQUIREMENTS

In terms of section 5(2) of the Construction Industry Development Board Act, 2000 (Act no. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to establish and promote best practice standards, Standard Requirements and Guidelines which includes the following but not limited to:

- C3.4.1 cidb Best Practice: Green Building Certification, No. 34158 Government Gazette, 1 April 2011
- C3.4.2 cidb Standard for Developing Skills through Infrastructure Contracts, No. 36760 Government Gazette, 23 August 2013
- C3.4.3 cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013
- C3.4.4 Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017, No. 40553 Government Gazette, 20 January 2017
- C3.4.5 cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.4.6 cidb Standard for Minimum Requirements for Engaging Contractors and Sub-Contractors on Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.4.7 cidb Standard for Minimum Requirements for Engaging Contractors and Sub- Contractors on Construction Works Contracts, No. 42021 Government Gazette, 9 November 2018
- C3.4.8 cidb Standard for Developing Skills through Infrastructure Contracts, No. 43495 Government Gazette, 3 July 2020
- C3.4.9 SANS 10142 wiring of premises
- C3.4.10 SANS10313 lightning protection system

C3.5 CONTRACT PARTICIPATION GOALS AND CIDB BUILD PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as indicated below. Provision for pricing of compliance with the achieving the CPGs is made in the Contract Participation Goal Section of the Bills of Quantities and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced thereunder and no additional claims in this regard shall be entertained:

C3.5.1 Minimum Thirty Percent (30%) Mandatory Sub-contracting Contract Participation Goal

MINIMUM THIRTY PERCENT (30%) MANDATORY SUBCONTRACTING TO SMMEs: IMPLEMENTATION OF PREFERENTIAL PROCUREMENT REGULATIONS 2017

30% Mandatory subcontracting is *NOT APPLICABLE* to this project.

GENERAL INFORMATION

DOCUMENTATION

The Department of Public Works & Infrastructure proposes to repair and maintain of low voltage for period of 24 months at springbok and surrounding areas.

- 1.1. **Maintenance** – maintenance must be carried out by qualified service providers in terms of the Operational Health and Safety legislation.
- 1.2. **Repair**- actions required to reinstate of installation to its original state when such fails due to ordinary use. This does not include upgrading or replacement of installation. Should there be a need to upgrade or replace any equipment the service provider should communicate with responsible works manager/inspector for approval.
- 1.3. The service provider will be called as when the above mentioned services are required in a form of complaint number and order number. The service provider should not execute any work without receiving complaint number from NDPWI.
- 1.4. **Warranty**- The service contractor shall unconditionally guarantee any work performed on the Departmental electrical equipment, or implements for twelve (12) months on new parts supplied and three (3) months repairs on existing equipment/components, irrespective of hours worked or kilometres travelled.

If the standard warranty period on any parts that are supplied by the contractor is more favorable to the department than that stated above, then the standard warranty shall apply.

Should the work done not meet the above mentioned condition the contractor will be held accountable.

- 1.5. **Response time** – the contractor should respond to complaint within the stated in the table time below
- 1.6. **Service** – the contractor is responsible to comply with service schedule of High Tension equipment

PRIORITY	RESPONSE TIME	RESOLUTION TIME
Emergency	2 hours	8 hours
Urgent	8 hours	24 hours
Normal	24 ours	7 days

- 1.7. **Job-card** – The job card should meet the following criteria:
 - Be fully completed
 - With complaint number/ID number/order number
 - Summary of work executed
 - Completion date of work executed
 - Both signed by contractor and end-user
 - End-used date stamp

1.8. **Invoices** – The contractor shall invoice NDPWI when work executed is completed and confirmed by the client onsite and the invoice must be submitted to DPWI within 5 days of completion of work via email, postal address or hand delivery unless otherwise special arrangement is made between the project manager and contractor . **The following criteria should be meet upon submission of invoices:**

- Invoice must be made of “Department Of Public Works & Infrastructure “ together with the address of the department;
- Name of the company and contact information, including physical and postal address, email address, cellphone and telephone where applicable;
- Value added tax (VAT), CSD and company’s registration number;
- Description of a list of the services or goods provided and the price for each items of such goods or services;
- Quantity and units price of the goods and/or service procured and/or delivered;
- Date of invoice;
- Invoice number;
- Department purchase order or complaint number(KIM number/ID number);
- Supplier’s banking details and Total amount claimed/invoiced

1.8 **Unsatisfactory performance-** occurs when performance is not in accordance with the contract conditions.

1.8.1 The departmental official shall warn the contractor in writing that action will be taken in accordance with the contract conditions unless the contractor complies with the contract conditions and delivers satisfactory supplies or services within a specified reasonable time (7 days minimum). If the contractor does not perform satisfactorily despite the warning, the official will:

- (a) Take action in terms of its delegated powers; and
- (b) Make a recommendation to the Accounting Officer for cancellation of the contract concerned.

1.8.2 When correspondence is addressed to the contractor, reference will be made to the contract number/item number/s and an explanation of the complaint.



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Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA



**EXPANDED PUBLIC WORKS PROGRAMME
CONTRIBUTING TO A NATION AT WORK**

EPWP IMPLEMENTATION FRAMEWORK ON NDPWI PROJECTS

KIMBERLEY AND SURROUNDING AREAS: MAINTENANCE, REPAIRS, SERVICING OF HIGH TENSION EQUIPMENT AND LOW VOLTAGE INSTALLATION: 24 MONTHS TERM CONTRACT FOR VARIOUS CLIENTS

In order to make tender / contract documents fully EPWP compliant (labour-intensive construction projects) the following clauses and / or additions need to be included in the documentation:

1. Tender Document Cover

The following EPWP Logo to be included on the bottom of the front cover



**EXPANDED PUBLIC WORKS PROGRAMME
CONTRIBUTING TO A NATION AT WORK**

2. Tender Notice and Invitation to Tender

The following must be included in the notice and invitation to tender (for Contract Documentation for the Works):

"Only tenderers who employ staff which satisfy EPWP requirements are eligible to submit tenders."

3. Contract Data

The following must be included in the contract data in the contract with the Employer:

Linkage of payment for labour-intensive component of works to submission of project data

The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.

Applicable labour laws

The current Ministerial Determination (also downloadable at www.epwp.gov.za), Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice, shall apply to works described in the scope of work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.



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EXPANDED PUBLIC WORKS PROGRAMME
CONTRIBUTING TO A NATION AT WORK

4. Bill of Quantities

- Due to the nature of the works involved, this type of project is feasible as a labour Intensive project i.e. the maintenance activities will require skilled/unskilled labour.
- Noted that only few items were identified to be implemented on the BOQ.

6. Employment Targets

The contractor needs to provide a realistic estimate on the number of jobs that the project has the potential to create throughout the project duration as the project will be implemented using Labour Intensive Construction methods on elements where it is economical and feasible for this construction method.

Estimated no of jobs to be created:
NYS Beneficiaries = N/A
Local Labour = 2

7. Employment requirements

Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment.

Tenderers must allow for any costs for the following employment requirements of the EPWP

60% women

55% youth aged between 18 and 35 years

2% people with disability

100% unskilled labour utilized must reside within the boundaries of the Municipality ward where this contract is executed, with preference to the local community closest or at the walking distance to the contract site. Wherever possible local skilled tradesmen are to be employed on this contract with the view to maximize utilization of local resources.

8. EPWP Branding

8.1. Signboard

EPWP Programme at the project level shall always be promoted through the projects signage board that embrace EPWP logo at the bottom, correct measurement for this signage board will be provided by the project leader during the site handing over meeting.

The Contractor is responsible for ensuring that the project board remains neatly and safely erected for the full duration including the maintenance period, after which the project board and posts are to be dismantled and handed to the client in good order



8.2. Personal Protective Equipment (PPE)

All local labourers including contractor & sub-contractors' shall be provided with EPWP branded Personal Protective Equipment (PPE), as per the branding specifications.

Overalls to be orange in colour as per EPWP Corporate image and requirements (Annexure E). Branding to be done in full colour. Specification with the exception of Correctional Services contracts where the participants top and bottom would be green.

9. Reporting

The Contractor's payment invoice shall be accompanied by labour information for the corresponding period in an EPWP reporting format (Annexure B). The completed EPWP reporting template should be accompanied by the following supporting documents:

- Contract of employment (Individual and/or Entity) - once-off
- Certified South African ID copy (certification date not older than 3 months)-once-off
- Attendance register of participants- periodically
- Proof of payment of participants- periodically
- Schedule of payment for SMMEs- periodically (N/A)

The Consultant shall, before certifying a contractor's payment certificate, ensure that contractor has submitted labour information in a format and timeframe specified by the employer.

If the information submitted by the contractor is inadequate the consultant shall not submit the payment certificate to the employer for payment. If the contractor chooses to delay submitting payment invoices, labour information shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractors invoice shall not be paid until all pending labour information has been submitted.

10.02 PROVISION OF EPWP DESIGNED OVERALLS, HARD HATS TO YOUTH WORKERS (NYS) AS WELL AS ONE PAIR OF SAFETY BOOTS.

10.02.01 PPE for local labour: Supply 1 x full overall and 1 pair of safety boots to each local labour

R.....Unit: PC .Sum

Amount carried forward to summary: R.....

Insert Company Name Here

CONTRACT OF EMPLOYMENT

ENTERED INTO BETWEEN

(herein duly represented by

.....
(hereinafter referred to as the **“EMPLOYER”**)

AND

IDENTITY NUMBER:

Initials

.....

.....

Wherein the parties agree as follows;

1. Terms of Employment

- 1.1 The employee as mentioned above has been appointed to work on a time-based employment contract with a service provider appointed by the Department of Public Works and Infrastructure, hereinafter referred to as NDPWI, fordays. The project is located in.....
- 1.2 The employee will, in the execution of his/her duties, report to the project location.
- 1.3 This contract must be read in conjunction with the standard terms and conditions of employment on EPWP as contained in a Ministerial Determination for Expanded Public Works Programmes issued by the Minister of Labour and published in Government Gazette number R. 347 dated 4 May 2012.
- 1.4 The contract will commence on the date **202...** And shall run for the duration of the project until.....202....

2. Normal Hours of Work

- 2.1 The employee shall resume work at**am** and to**am**.

3. Meal Breaks

- 3.1 The employee is entitled to take a meal break of **__60__** minutes where **15** minutes will be tea break in the Morning and **45** minutes will be lunch break.

4. Sick Leave

- 4.1 Should the employee be unable to work on account of illness or injury, he or she is entitled to claim one day's paid leave for every full month that the employee has worked in terms of his or her contract. The amount so claimed shall be paid by the employer on the usual payday.

.Payment

- 4.2 The Employee shall be remunerated at a rate of R..... per hour on the work scheduled for daily payment. Sunday rate R..... Public holiday R.....
- 4.3 Such remuneration shall be calculated in accordance with the amount of hours worked;
- 4.4 All payments will be made for days worked or the task and bank details should be provided to

5. Health and Safety

Initials
.....
.....

- 5.1 The employer shall take all reasonable steps to ensure that the working environment is healthy and safe.
- 5.2 The employee shall-
 - a) perform his or her duties in a manner that does not endanger his or her health and safety or that of another person;
 - b) obey any health and safety instruction;
 - c) obey all health and safety rules of NDPWI

6. Termination

- 6.1 The employer may terminate the employment of the worker for good cause after following a fair procedure.
- 6.2 The employee will not receive severance pay on termination.
- 6.3 The employee is not required to give notice to terminate employment. However, should the employee wish to resign, he or she must advise the employer in advance to allow the employer to find a replacement.
- 6.4 The employee who is absent from work for more than three (3) consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, at the discretion of the Employer, the employee may be re-engaged if a position becomes available.
- 6.5 An Employee who does not honor the contract shall be dismissed if they don't improve their commitment
- 6.6 Misconduct on the site will be **not tolerated** and verbal warning will be given initially and second time it written warning, thereafter dismissal with immediate effect.
- 6.7 No alcohol, drugs or any kind of illegal substance, sexual abuse, shall be tolerated during working hours.

7. DOMICILIUM CITANDI ET EXECUTANDI

The parties choose as their *domicilia citandi et executandi* for the purposes of giving or sending any notice provided for or required in terms of this Agreement, the following addresses:.....

Employer:.....

Employee:.....

THUS DONE AND SIGNED AT KIMBERLEY ON THE 202...

Initials

EMPLOYER
For and on behalf of the

THUS DONE AND SIGNED AT KIMBERLEY ON THE 202...

EMPLOYEE

AS WITNESSES:

1. _____

2. _____

Initials

.....

.....



**public works
& infrastructure**

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

OCCUPATIONAL HEALTH AND SAFETY

HEALTH & SAFETY SPECIFICATIONS

FOR

**PROJECTS AND MAINTENANCE
(BUILDING/ELECTRICAL/MECHANICAL)**

MANAGED ON BEHALF OF

**THE DEPARTMENT OF
PUBLIC WORKS**

(THE “CLIENT”)

**PROJECT: KIMBERLEY AND SURROUNDING AREAS: MAINTENANCE, REPAIRS,
SERVICING OF HIGH TENSION EQUIPMENT AND LOW VOLTAGE
INSTALLATION: 24 MONTHS TERM CONTRACT FOR VARIOUS CLIENTS**

SUPERVISION BY THE DEPARTMENT OF PUBLIC WORKS:

- Mr /Ms/Me** - **PROJECT MANAGER
(Simiso Mbusi)
(053 838 5228)**

- Mr /Ms/Me** - **HEALTH & SAFETY OFFICER
(Ms W Khumalo)
(053 838 5359)**

- Mr /Ms/Me** - **HEAD: FACILITY MANAGEMENT
(Ms. A Xentsa)
(053 838 5345)**

- Mr /Ms/Me** - **HEAD: REGIONAL MANAGER
(Ms R Baulackey)
(053 838 5202)**

SUPERVISION BY THE PRINCIPAL CONTRACTOR:

PRINCIPAL CONTRACTOR:

COIDA No.: -

UIF No.: -

Mr /Ms/Me -

Mr /Ms/Me -

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ATTACHMENTS:

IMPORTANT CONTACT DETAILS (HEALTH & SAFETY ONLY)

1. PREAMBLE

In terms of Construction Regulation 4(1)(a) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), the Department of Public Works, as the Client and/or its Agent on its behalf, shall be responsible to prepare Health & Safety Specifications for any intended construction project and provide any Principal Contractor who is making a bid or appointed to perform construction work for the Client and/or its Agent on its behalf with the same.

The Client's further duties are as described in The Act and the Regulations made there-under. The Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 5 as well as the Health and Safety Plan for the project.

This 'Health and Safety Specifications' document is governed by the "Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as 'The Act'. Notwithstanding this, cognisance should be taken of the fact that no single Act or its set of Regulations can be read in isolation. Furthermore, although the definition of Health and Safety Specifications stipulates 'a documented specification of all health and safety requirements pertaining to associated works on a construction site, so as to ensure the health and safety of persons', it is required that the entire scope of the Labour legislation, including the Basic Conditions of Employment Act be considered as part of the legal compliance system. With reference to this specification document this requirement is limited to all health, safety and environmental issues pertaining to the site of the project as referred to here-in. Despite the foregoing it is reiterated that environmental management shall receive due attention.

Due to the wide scope and definition of construction work, every construction activity and site will be different, and circumstances and conditions may change even on a daily basis. Therefore, due caution is to be taken by the Principal Contractor when drafting the Health and Safety Plan based on these Health and Safety Specifications. Prior to drafting the Health and Safety Plan, and in consideration of the information contained here-in, the contractor shall set up a Risk Assessment Program to identify and determine the scope and details of any risk associated with any hazard at the construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard. *This Risk Assessment and the steps identified will be the basis or point of departure for the Health and Safety Plan.* The Health and Safety Plan shall include documented 'Methods of Statement' (see definitions under Construction Regulations) detailing the key activities to be performed in order to reduce as far as practicable, the hazards identified in the Risk Assessment.

The Department of Public Works is tasked to provide accommodation and operational facilities to a very large proportion of the approximate 40 National Departments responsible for the governance of the Department of Public Works. A very large number of State employees and public users of the facilities and the services provided there-in directly interacts with the facilities provided by the well-being, health and safety of a great number of people. This Department thus has directly or indirectly, an impact on the Republic of South Africa as well as the National Parliament.

In this a high premium is to be placed on the health and safety of the most valuable assets of the Department of Public Works. These are its personnel, the personnel of its Clients and the physical assets of which it is the custodian and may also include the public as well. The responsibilities the Department and relevant stakeholders have toward its employees and other people present in the facilities or on the sites are captured further in this specification document. These responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Every effort has been made to ensure that this specification document is accurate and adequate in all respects. Should it however, contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time, or relieve the Principal Contractor from his responsibilities and accountability in respect of the project to which this specification document pertains. Any such inaccuracies, inconsistencies and/or inadequacies must immediately be brought to the attention of the Agent and/or Client.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION DOCUMENT

The Health and Safety Specifications pertaining to the project; “(Kimberley Area : Service and Repairs of Cold and Freezer Room (12 Month))_cover the subjects contained in the index and is intended to outline the normal as well as any special requirements of the Department pertaining to the health and safety matters (including the environment) applicable to the project in question. These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project. The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act.

3. PURPOSE

The Department is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications. *(All references to the singular shall also be regarded as references to the plural)*

The purpose of this specification document is to provide the relevant Principal Contractor (and his /her contractor) with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the Department of Public Works. The Principal Contractor (and his /her contractor) is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements on inter alia:

- a) safety considerations affecting the site of the project and its environment;
- b) health and safety aspects of the associated structures and equipment;
- c) submissions on health and safety matters required from the Principal Contractor (and his /her contractor); and
- d) the Principal Contractor's (and his /her contractor) health & safety plan.

To serve to ensure that the Principal Contractor (and his /her contractor) is fully aware of what is expected from him/her with regard to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Regulations made there-under including the applicable safety standards, and in particular in terms of Section 8 of the Act.

To inform the Principal Contractor that the Occupational Health and Safety Act, 1993 (Act 85 of 1993) in its entirety shall apply to the contract to which this specification document applies. The Construction Regulations promulgated on 18 July 2003 and incorporated into the above Act by Government Notice R 1010, published in Government Gazette 25207 shall apply to any person involved in construction work pertaining to this project, as will the Act.

4. DEFINITIONS - The most important definitions in the Act and Regulations pertaining to this specification document are hereby extracted.

“Purpose of the Act” –

To provide for the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; the protection of persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work; to establish an advisory council for occupational health and safety; and to provide for matters connected therewith.

“Agent” –

means any person who acts as a representative for a client;

“Client” –

means any person for whom construction work is performed;

“Construction Work” is defined as any work in connection with –

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

- (b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

“Contractor” –

means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors;

“Health and Safety File” –

means a file, or other record in permanent form, containing the information required a contemplated in the regulations;

“Health and Safety Plan” –

means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

“Health and Safety Specification” –

means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

“Method Statement” –

means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

“Principal Contractor” –

means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

“Risk Assessment” –

means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organisation of OH&S Responsibilities

5.1.1. *Overall Supervision and Responsibility for OH&S*

- * The Client and/or its Agent on its behalf to ensure that the Principal Contractor, appointed in terms of Construction Regulation 4(1)(c), implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.

- * The Chief Executive Officer of the Principal Contractor in terms of Section 16 (1) of the Act to ensure that the Employer (as defined in the Act) complies with the Act. The pro forma Legal Compliance Audit may be used for this purpose by the Principal Contractor or his/her appointed contractor.

- * All OH&S Act (85 /1993), Section 16 (2) appointee/s as detailed in his/her/their respective appointment forms to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- * The Construction Supervisor and Assistant Construction Supervisor/s appointed in terms of Construction Regulation 6 to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- .

- * All Health and Safety Representatives (SHE-Reps) shall act and report as per Section 18 of the Act.

5.1.2. *Further (Specific) Supervision Responsibilities for OH&S*

Several appointments or designations of responsible and /or competent people in specific areas of construction work are required to ensure compliance to the Act, Regulations and Safety Standards.

5.2 *Communication & Liaison*

- 5.2.1 OH&S Liaison between the Employer, the Principal Contractor, the other Contractors, the Designer and other concerned parties shall be through the H&S Committee as per the procedures determined by the H&S Committee.
- 5.2.2 In addition to the above, communication may be directly to the Client or his appointed Agent, verbally or in writing, as and when the need arises.
- 5.2.3 Consultation with the workforce on OH&S matters will be through their Supervisors and H&S Representatives ('SHE – Reps')
- 5.2.4 The Principal Contractor will be responsible for the dissemination of all relevant OH&S information to the other Contractors e.g. design changes agreed with the Client and/or its Agent on its behalf and the Designer, instructions by the Client and/or his/her agent, exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

6. **INTERPRETATION**

(i) The Occupational Health and Safety Act and all its Regulations, with the exception of the Construction Regulations, distinguish between the roles, responsibilities and functions of employers and employees respectively. It views consultants and contractors as employees of the "owner" of a construction or operational project, the "owner" being regarded as the employer. Only if formally agreed to by way of the written agreement in this regard between the "owner(s)" and consultant and /or between the "owner(s)" and the contractor(s), will these assumptions be relinquished in favour of the position agreed upon between the relevant parties.

(ii) The position taken by the Construction Regulations is that the "owner", in terms of its instructions, operates (has to operate) in the role of client as per relevant definition. The contractors working for the "client" are seen to be in two categories, i.e. the Principal Contractor and Contractors. The Principal Contractor has to take full responsibility for the health and safety on the site of the relevant project / contract. This includes monitoring health and safety conditions and overseeing administrative measures required by the Construction Regulations from all contractors on the project site. (Ordinary / sub) Contractors are required to operate under the scrutiny and control (in terms of all health and safety measures which are covered in the Construction Regulations) of the Principal Contractor. Where, for the work the Principal Contractor will have to execute himself, practical health and safety measures are applicable, he will also be subject to the relevant requirements with which (ordinary / sub) Contractors have to comply. The Principal Contractor will, however, not have to actually fulfill such requirements in respect of any of the work / functions of any (ordinary / sub) Contractors on the site for which he has been appointed as Principal Contractor. However, he has to monitor / oversee such processes, ensuring that the requirements are complied with and that the required appointments / evaluations / inspections / assessments and tests are done and that the records are duly generated and kept as prescribed in the Construction Regulations. This has to feature clearly in the Principal Contractor's Health and Safety Plan.

7. RESPONSIBILITIES

7.1 Client

7.1.1 The Client or his appointed Agent on his behalf will appoint each Principal Contractor for this project or phase/section of the project in writing for assuming the role of Principal Contractor as intended by the Construction Regulations and determined by the Bills of Quantities.

7.1.2 The Client or his appointed Agent on his behalf shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan of the both Principal Contractor and Contractor for approval.

7.1.3 The Client or his appointed Agent on his behalf, will take reasonable steps to ensure that the health and safety plan of both the Principal Contractor and Contractor is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

7.1.4 The Client or his appointed Agent on his behalf, will prevent the Principal Contractor and/or the Contractor from commencing or continuing with construction work should the Principal Contractor and/or the Contractor at any stage in the execution of the works be found to:

- have failed to have complied with any of the administrative measures required by the Construction Regulations in preparation for the construction project or any physical preparations necessary in terms of the Act;
- have failed to implement or maintain their health and safety plan;
- have executed construction work which is not in accordance with their health and safety plan; or
- act in any way which may pose a threat to the health and safety of any person(s) present on the site of the works or in its vicinity, irrespective of him/them being employed or legitimately on the site of the works or in its vicinity.

7.2 Principal Contractor

7.2.1 The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3 of the Construction Regulations. Annexure B of this Specification contains a "Notification of Construction Work" form. The Principal Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

7.2.2 The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation. This Specification is not intended to supersede the Act nor the Construction Regulations or any part of either. Those sections of the Act and the Construction Regulations which apply to the scope of work to be performed by the

Principal Contractor in terms of this contract (entirely or in part) will continue to be legally required of the Principal Contractor to comply with. The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations or any Regulations proclaimed under the Act or which may perceivable be applicable to this contract.

7.2.3 The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract.

7.2.4 The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.

7.2.5 The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations. (Note: This shall have to be contained in the conditions of tender upon which a tenderer's offer is based.)

7.2.6 The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.

7.2.7 The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.

7.2.8 The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.

7.2.9 The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.

7.2.10 The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.

7.3 **Contractor** (Responsibilities of in terms of this contract and health and safety specification)

As per 7.2 above, as and where applicable or as indicated in the letter of appointment.

8. SCOPE OF WORK *(also refer to paragraph 2 on page 5)*

These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents, this amongst all includes:

8.1 maintenance and repairs of low voltage: 24 months term contract for various clients (See attached scope of Work).

(Elaborate sufficiently and provide adequate information to give full understanding of all work to be done)

[Notes to the Client, Designer, Project Manager, Architect, Agent :

add references to the above project and include specific elements identified as the ‘Critical Few’. The ‘Critical Few’ refer to those few or singular elements of the project that have the potential to impact in a major or devastating way on the project as a whole in the event of an accident or incident occurring. (20:80 principle)

Because of the inherent generic nature of the Health and Safety Specifications document, specific relevant information on the project must be provided and it may be necessary to draft the required information under this paragraph on a separate attached document.

If at any time after commencement of the project changes are brought about to the design or construction, sufficient health and safety information and appropriate resources are to be made available to the Principal Contractor to execute the work safely.]

N.B Construction Regulation 5(3)(g) determines that potential contractors submitting tenders have made provision for the cost of health and safety measures during the construction process. The Principal Contractor shall on tendering make provision for the cost of health and safety measures in terms of his/her documented Health and Safety Plan and measures based on these Health and Safety Specifications during the period of the project. The cost shall be duly quantified and clearly identified for such identifiable purpose.

THE HEALTH AND SAFETY PLAN IS THEREFORE TO BE INCLUDED WITH THE TENDER DOCUMENTS WHEN TENDERS ARE INVITED FOR THE PROJECT.

9. HEALTH AND SAFETY FILE

The Principal Contractor must, in terms of Construction Regulation 5(7), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done. A more detailed list of documents and other legal requirements that must be kept in the Health and Safety File is attached as an addendum to this document.

IMPORTANT:

The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project.

10. OH&S GOALS AND OBJECTIVES AND ARRANGEMENTS FOR MONITORING AND REVIEWING OH&S PERFORMANCE

The Principal Contractor is required to maintain an acceptable disabling incident frequency rate (DIFR) and report on this to the Client and/or its Agent on its behalf on a monthly basis.

11. IDENTIFICATION OF HAZARDS AND DEVELOPMENT OF RISK ASSESSMENTS, STANDARD WORKING PROCEDURES (SWP) AND METHOD STATEMENTS

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project (see 4. below "Project/Site Specific Requirements")

The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan.

12. ARRANGEMENTS FOR MONITORING AND REVIEW

12.1 Monthly Audit by Client and/or its Agent on its behalf

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 4(1)(d) to ensure that the principal contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

12.2 Other audits and inspections by client and/or its agent on its behalf.

The Client and/or its Agent on its behalf reserves the right to conduct any other ad hoc audits and inspections as it and/or its Agent on its behalf deem necessary.

A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Client and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Client and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes.

12.3 Reports

12.3.1 The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:

- * dies
- * becomes unconscious
- * loses a limb or part of a limb
- * is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

OR where:

- * a major incident occurred
- * the health or safety of any person was endangered
- * where a dangerous substance was spilled
- * the uncontrolled release of any substance under pressure took place
- * machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
- * machinery ran out of control,

to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.

Refer in this regard to Section 24 of the Act & General Administrative Regulation 8.

12.3.2 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.

12.3.3 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".

12.3.4 The Principal Contractor is required to provide a.s.a.p. the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports including the reports contemplated in 12.7, 12.8.2, 15, 16, 17, 21 and 22 below. As soon as the occurrence of any accident/incident of whatever nature comes to the notice of the Principal Contractor, it shall be reported immediately to any of the following:

- * S. Mbusi (Project Manager) 053 838 5228
- * W. Khumalo (Health and Safety Officer) 053 838 5359

12.4 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Client and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

12.5 Site Rules and other Restrictions

12.5.1 Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction.

When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

12.5.2 Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site.

The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation 6(6), the Principal Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments. These must include a monthly practice/testing programme for the plans e.g. January: trench collapse, February: flooding etc. and practiced/tested with all persons on site at the time, participating.

12.6 Training

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

12.6.1 General Induction Training

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

12.6.2 Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training .

12.6.3 Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

All employees in jobs requiring training in terms of the Act and Regulations must be in possession of valid proof of training as follows:

Occupational Health and Safety Training Requirements: (as required by the Construction Regulations and as indicated by the Health and Safety Specification Document & the Risk Assessment/s and recommendations by the Health and Safety Committee):

- * General Induction (Section 8 of the Act)
- * Site/Job Specific Induction (also visitors) (Sections 8 & 9 of the Act)
- * Site/Project Manager
- * Construction Supervisor
- * OH&S Representatives (Section 18 (3) of the Act)
- * Training of the Appointees indicated in 12.6.1 & 12.6.2 above
- * Operation of Cranes (Driven Machinery Regulations 18 (11))
- * Operators & Drivers of Construction Vehicles & Mobile Plant (Construction Regulation 21)
- * Basic Fire Prevention & Protection (Environmental Regulations 9 and Construction Regulation 27)
- * As a minimum basic First Aid to be upgraded when necessary (General Safety Regulations 3)
- * Storekeeping Methods & Safe Stacking (Construction Regulation 26)
- * Emergency, Security and Fire Co-ordinator

12.7 Accident and Incident Investigation

The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic. (General Administrative Regulation 9)

The results of the investigation to be entered into the Accident/Incident Register listed above. (General Administrative Regulation 9)

The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

The Principal Contractor is responsible for the investigation of all road traffic accidents relating to the construction site and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.

Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

12.8 H&S Representatives (SHE-Reps – ‘safety, health & environment’) and H&S Committees

12.8.1 Designation of H&S Representatives(‘SHE – Reps’)

Where the Principal Contractor employs more than 20 persons (including the employees of other Contractors (sub-contractors) he has to appoint one H&S Representative for every 50 employees or part thereof. (Section 17 of the Act and General Administrative Regulation 6. & 7.)

H&S Representatives have to be designated in writing and the designation shall be in accordance with the Collective Agreement as concluded between the parties as is required in terms of General Administration Regulation 6.

12.8.2 Duties and Functions of the H&S Representatives

The Principal Contractor must ensure that the designated H&S Representatives conduct at least a weekly inspection of their respective areas of responsibility using a checklist and report thereon to the Principal Contractor, after which these reports shall be consolidated for submission to the Health and Safety Committee.

H&S Representatives must be included in and be part of accident/incident investigations.

H&S Representatives shall be members of at least one H&S Committee and must attend all meetings of that H&S committee.

12.8.3 Establishment of H&S Committee(s)

The Principal Contractor must establish H&S Committees consisting of designated H&S Representatives together with a number of Employers Representatives appointed as per Section 19(3) that are not allowed to exceed the number of H&S Representatives on the committee. The persons nominated by the employer on a H&S Committee must be designated in writing for such period as may be determined by him. The H&S Committee shall co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship.

The H&S Committee must meet minimum monthly and consider, at least, the following Agenda for the first meeting. Thereafter the H&S Committee shall determine its own procedures as per the previous paragraph.

Agenda:

- 1) Opening and determining of chairmanship (only when necessary)
- 2) Minutes of Previous Minutes
- 3) Observations
- 4) Program and Safety considerations
- 5) Hygiene
- 6) Housekeeping improvement
- 7) Incidents & Accidents / Injuries
- 8) Registers:

- a. H&S Rep. Inspections
- b. Matters of First Aid
- f. Portable Electric Equipment
- g. Fire Equipment
- i. Power Hand tools
- j. Incident! Report Investigation
- k. Pressure Vessels
- l. Personal Protective Equipment
- 9) Safety performance Evaluations
- 10) Education & Safety promotion program
- 11) First Aid Officials and training in First Aid
- 12) Demarcation of work- /hazardous-/safe areas/walkways
- 13) Posters and signage
- 14) Environmental preservation and conservation
- 15) Specific training programmes
- 16) General
- 17) Date of Next Meeting
- 18) Closing

13. PROJECT/SITE SPECIFIC REQUIREMENTS

The following is a list of specific activities and considerations that have been identified for the project and site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor:

- * Clearing & Grubbing of the Area/Site
- * Site Establishment including:
 - o Office/s
 - o Secure/Safe Storage and storage areas for materials, plant & equipment
 - o Ablution facilities
 - o Sheltered dining area
 - o Vehicle access to the site
- * Dealing with existing Structures.
- * Location of existing Services
- * Installation & Maintenance of Temporary Construction Electrical Supply, Lighting and Equipment
- * Adjacent Land uses/Surrounding property exposures
- * Boundary & Access control/Public Liability Exposures (Remember: the Employer is also responsible for the OH&S of non-employees affected by his/her work activities.)
- * Health risks arising from neighboring as well as own activities and from the environment e.g. threats by dogs, bees, snakes, lightning, allergies etc.
- * Exposure to Noise
- * Exposure to Vibration
- * Protection against dehydration and heat exhaustion
- * Protection from wet & cold conditions
- * Dealing with HIV/Aids and other diseases as per specific programme provided by the client and/or its Agent on its behalf
- * Use of Portable Electrical Equipment including:
 - o Angle grinder
 - o Electrical Drilling machine

- Skill saw
- * Welding including:
 - Arc Welding
 - Gas welding
 - Flame Cutting
 - Use of LP Gas torches and appliances
- * Loading & Offloading of Equipment
- * Aggregate/Sand and other Materials Delivery
- * Manual and Mechanical Handling
- * Lifting and Lowering Operations

- * Use and Storage of Flammable Liquids and other Hazardous Substances – the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Layering and Bedding of trench floor
- * Installation of Pipes in trenches
- * Backfilling of Trenches
- * Protection against Flooding
- * Gabion work
- * Use of Explosives - the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Protection from Overhead Power Lines
- * As discovered by the Principal Contractor's hazard identification exercise
- * As discovered from any inspections and audits conducted by the Client and/or its Agent on its behalf or by the Principal Contractor or any other Contractor on site
- * As discovered from any accident/incident investigation.

13.1 The following are in particular requirements depending on scope of works and will form a basis for compliance audits.

1. Administrative & Legal Requirements
2. Education, Training & Promotion
3. Public Safety & Emergency Preparedness
4. Personal Protective Equipment
5. Housekeeping
6. Scaffolding, Formwork & Support work
7. Ladders
8. Electrical Safeguarding
9. Emergency/Fire Prevention & Protection
10. Excavations & Demolition
11. Tools
12. Cranes
13. Personnel & Material Hoists
14. Transport & Materials Handling
15. Site Plant & Machinery
16. Plant & Storage Yards/Site Workshops Specifics
17. Health & Hygiene

14. THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES

The Principal Contractor shall at all times ensure his status of an “employer” as referred to in the Act, and will abide by his/her responsibilities, duties and functions as per the requirements of the Act and Regulations with specific reference to Section 8 of the Act.

The Principal Contractor shall keep, and on demand make available, a copy of the Act on site at all times and in addition to that he/she will introduce and maintain a file titled “Health and Safety File”, or other record in permanent form, which shall contain all relevant aspects and information as contemplated in the Construction Regulations. He/she will make this file available to the client or his representative whenever necessary or on request to an interested party.

15. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of these specifications are detailed in the Construction Regulations as published under government notice No.R1010 dated 18 July 2003.

The Principal Contractor is specifically referred to the following elements of the Construction Regulations:

Regulation No. 1	- Definitions
Regulation No. 2	- Scope of application
Regulation No. 3	- Notification of construction work
Regulation No. 5	- Principal Contractor and Contractor
Regulation No. 6	- Supervision of construction work
Regulation No. 7	- Risk Assessment
Regulation No. 26	- Stacking & Storage on construction sites
Regulation No. 28	- Construction welfare facilities
Regulation No. 29	- Approved Inspection authorities
Regulation No. 30	- Offences and penalties

This list must not be taken to be exclusive or exhaustive!

The Principal Contractor shall ensure compliance to the Act and its Regulations and specifically to the above regulations, and document each record in the Health and Safety File.

16. THE PRINCIPAL CONTRACTOR'S SPECIFIC RESPONSIBILITIES WITH REGARD TO HAZARDOUS ACTIVITIES

The following activities are identifiable as hazardous in terms of the Construction Regulations.

The contractor shall execute the activities in accordance with the following Construction Regulations and other applicable regulations of the Act:

Regulation No. 20	- Cranes
Regulation No. 21	- Construction vehicles & mobile plant.
Regulation No. 22	- Electrical installations and machinery on construction sites
Regulation No. 23	- Use and temporary storage of flammable liquids on construction sites
Regulation No. 24	- Water environments
Regulation No. 25	- Housekeeping on construction sites
Regulation No. 27	- Fire precautions on construction sites.

This list must not be taken to be exclusive or exhaustive!

All of the above requirements will be read in conjunction with the relevant regulations and health and safety standards as required by the Act. All documents and records required by the Construction Regulations will be kept in the Health and Safety File and will be made available at any time when required by the client or his representative, or on request to an interested party.

17. GENERAL NOTES TO THE PRINCIPAL CONTRACTOR

Legal Liabilities

Common Law and Legislation

Based on two main criteria –

- Would the reasonable person have foreseen the hazard?
That is a reasonable person in that specific position, taking experience, qualifications, authority, position in the organization etc. into consideration
- Would the reasonable person have taken precautionary measures (action) to prevent or limit the hazard?

Negligence can be proven on failure on **any** or **both** of the above criteria
(There may not necessarily be a relationship between criminal and civil liability!)

18. HOUSE KEEPING

Good housekeeping will be maintained at all times as per Construction Regulation No. 25. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

Particular emphasis is to be placed on the following crucial elements of a construction site:

- Phase priorities and production/plant layout
- Enclosures
- Pits, openings and shoring
- Storage facilities
- Effective, sufficient and maintained lighting or illumination

- Principal sources of injuries e.g. stairways, runways, ramps, loose building material
- Oil, grease, water, waste, rubble, glass, storm water
- Colour coding
- Demarcations
- Pollution
- Waste disposal
- Ablution and hygiene facilities
- First aid

This list must not be taken to be exclusive or exhaustive!

In promotion of environmental control all waste, rubble, scrap etc, will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

NOTE: No employer (Principal Contractor) shall require or permit any person to work at night or after hours unless there is adequate, suitable artificial lighting including support services in respect of Health and Safety.

19. LOCKOUT SYSTEMS - *ELECTRICAL!*

A system of control shall be established in order that no unauthorized person can energize a circuit, open a valve, or activate a machine on which people are working or doing maintenance, even if equipment, plant or machinery is out of commission for any period, thus eliminating injuries and damage to people and equipment as far as is reasonably practicable.

Physical/mechanical lock-out systems shall be part of the safety system and included in training. Lockouts shall be tagged and the system tested before commencing with any work or repairs.

20. INCIDENT INVESTIGATION

Inspection and reporting is the best way in which a responsible contractor can control his area of responsibility. All incidents therefore, irrespective of whether it gave rise to loss, injury, damage or not, shall be investigated and the results recorded in the Health and Safety File. (attached GAR 9)

21. GENERAL

The project under control of the Principal Contractor shall be subject to periodic health and safety audits that will be conducted by the client at intervals agreed upon between the Principal Contractor and the client, provided such intervals will not exceed periods of one month. The Principal Contractor is to ensure that he/she and all persons under his control on the construction site shall adhere to the above specifications, as non-conformance will lead to the client taking action as directed by Construction Regulation 4.1(e). The Principal Contractor should note that he/she shall be held liable for any anomalies including costs and resulting deficiencies due to delays caused by non-conformance and/or non-compliance to the above Health and Safety Specifications and the Health and Safety Plan based on these specifications.

22. IMPORTANT CONTACT DETAILS (HEALTH & SAFETY ONLY) (Document attached)







ATTACHMENTS

IMPORTANT CONTACT DETAILS - HEALTH & SAFETY ONLY

IMPORTANT CONTACT DETAILS

(FOR HEALTH & SAFETY ASPECTS ONLY)

The contractor is to add all the important contact information about essentials services, support and assistance.

	SERVICE	NUMBER	CONTACT PERSON
	Hospital		
	Ambulance		
	Water Electricity		
	Police		
	Fire Brigade		
	Engineer		

ADD OTHER IMPORTANT HEALTH & SAFETY CONTACT DETAILS AS MAY BE FOUND NECESSARY.

PG-03.1 (EC) SITE INFORMATION – GCC (2010) 2nd Edition 2010

Project title:	KIMBERLEY AND SURROUNDING AREAS: MAINTENANCE, REPAIRS, SERVICING OF HIGH TENSION EQUIPMENT AND LOW VOLTAGE INSTALLATION: 24 MONTHS TERM CONTRACT FOR VARIOUS CLIENTS				
Tender no:	ID:164103	WCS no:	ID:164103	Reference no:	19/2/4/2/2/2022-2024

C4 Site Information

The main town of the maintenance is Kimberley, Northern Cape, South Africa, therefore main site office should be erected at Kimberley town.

99% of the facilities are accessible via tarred road

Properties According to the Area

SAPS	DOJ	DCS	SANDF	HOME AFFAIRS
SURROUNDING AREAS				
Barkley West x2	Barkley	Barkley		
Boetsap				
Windsorton				
Warrenton x2	Warrenton			
Jan Kemp			Jan Kemp	
Hartswater	Hartswater			
Pampierstad	Pampierstad			Pampierstad
Kgomotso				
Douglas	Douglas	Douglas		
Prieska	Prieska			
Medderriver				
Plooyburg				
KIMBERLEY AREA				
	NPO(Magistrate)			
Livestock				
Transvaal				
HRD(De Beers)				
Gladstone(De Beers)				
Garage	High Court			
Kagisho	Galeshewe Court			
CSC				
Roodepan				
		Old Prison		
		Tswelopele		
			3 Sai	
			Diskobolos 10AA	
Public Works Offices and Workshop with SAPS				
William Humphreys Art Gallery				