



TENDER NO.: SC 1180/2012

**SUPPLY AND DELIVERY OF ELECTRICAL INVENTORY ITEMS
FOR A PERIOD OF 2 YEARS**

PROCUREMENT DOCUMENT

PREPARED AND ISSUED BY:

DIRECTORATE: FINANCE
OVERSTRAND MUNICIPALITY
PO BOX 20
HERMANUS
7200

CONTACT:

NAME: **DANIE MAREE**
TELEPHONE: **028 384 8311**

NAME OF TENDERER:	
Total Bid Price	PRICING SCHEDULE REFER TO PAGES 66 – 96
COMPLETION PERIOD IN WEEKS:	NOT APPLICABLE
ALTERNATIVE PRICE	NOT APPLICABLE

FEBRUARY 2012

KLEINMOND Private Bag X3 Kleinmond; 7195 Tel: 028 271 8100 Fax: 028 271 4678	HERMANUS PO Box 20 Hermanus; 7200 Tel: 028 313 8000 Fax: 028 313 8048	STANFORD PO Box 84 Stanford; 7210 Tel: 028 341 0640 Fax: 028 341 0445	GANSBAAI PO Box 26 Gansbaai; 7220 Tel: 028 384 0111 Fax: 028 384 0241
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TENDER DETAILS			
TENDER NUMBER:	SC 1180/2012		
TENDER TITLE:	SUPPLY AND DELIVERY OF ELECTRICAL INVENTORY ITEMS FOR A PERIOD OF 2 YEARS		
CLOSING DATE:	2012/02/24	CLOSING TIME:	12H00
BID BOX NO:	4	Situated at Overstrand Municipal Building, Magnolia Avenue, Hermanus. The bid box is generally open 24 hours a day, 7 days a week.	

TENDERER DETAILS			
NAME OF TENDERER:			
PHYSICAL ADDRESS:		POSTAL ADDRESS:	
TELEPHONE #:		FAX NO.	
E-MAIL ADDRESS:			

TENDER AMOUNT (INCLUDING VAT) :	
DATE:	
SIGNATURE OF TENDERER:	
CAPACITY UNDER WHICH THIS BID IS SIGNED:	

PLEASE NOTE:
a) Tenders that are deposited in the incorrect box will not be considered.
b) Tender box deposit slot is 28cm x 2.5cm.
c) Mailed, telegraphic or faxed tenders will not be accepted.
d) If the bid is late, it will not be accepted for consideration.
e) Bids may only be submitted on the Bid Documentation provided by the Municipality.

ENQUIRIES MAY BE DIRECTED TO:		
	ENQUIRIES REGARDING BID PROCEDURES	TECHNICAL ENQUIRIES
CONTACT PERSON:	PEDRO PETERS	DANIE MAREE
TEL. #	028 313 8956	028 384 8311

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**PART A – ADMINISTRATIVE REQUIREMENTS IN
TERMS OF THE SUPPLY CHAIN MANAGEMENT POLICY**

1. TENDER NOTICE & INVITATION TO TENDER**TENDER NO. SC 1180/2012****SUPPLY AND DELIVERY OF ELECTRICAL INVENTORY ITEMS FOR A PERIOD OF 2 YEARS**

Tenders are hereby invited for: **Supply and delivery of electrical inventory items.**

Tender documents, in English, are obtainable from Friday, 03 February 2012, at the offices of the Supply Chain Management Unit, Overstrand Municipality, Magnolia Avenue, Hermanus, Tel. 028 313 8064 from Mr. Ayanda Mili between 08h30 and 15h30, upon payment of a non-refundable **tender participation fee of R115.00 per set**. Bank guaranteed cheques are to be made payable to "Overstrand Municipality". Alternatively the documents can be downloaded free of charge from the website: www.overstrand.gov.za.

Sealed tenders, with "**Tender No. SC 1180/2012: Supply and delivery of electrical stock items**" clearly endorsed on the envelope must be deposited in **Tender Box No. 4** at the offices of the Overstrand Municipality, Magnolia Avenue, Hermanus. Bids may only be submitted on the bid documentation provided by the Municipality.

The closing date and time of the tender is on **24 February 2012 at 12h00** and will be opened in public immediately thereafter in the Committee Room, Hermanus Administration.

Tenders must be valid for 90 days after the closing date. Tenders shall be evaluated in terms of the Preferential Procurement Regulations, 2011 and bidders may claim preference points in terms of their B-BBEE status level of contribution.

The Overstrand Municipality does not bind itself to accept the lowest or any tender and reserves the right to accept any tender, as it may deem expedient. Tenders are subject to the Standard Conditions of Tender and the Supply Chain Management Policy of the Overstrand Municipality.

Please refer enquiries to **Mr. Danie Maree** at telephone number: **028 384 8311**.

2. AUTHORITY TO SIGN A BID

1. COMPANIES

If a Bidder is a company, a certified copy of the resolution by the board of directors, duly signed, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company must be submitted with this bid, that is, before the closing time and date of the bid

AUTHORITY BY BOARD OF DIRECTORS

By resolution passed by the Board of Directors on _____ 20____, Mr/Mrs _____
 _____ (whose signature appears below) has been duly authorised to sign all documents in
 connection with this bid on behalf of _____
 (Name of Company) in his/her capacity as _____

Full name of Director	Residential address	Signature

SIGNED ON BEHALF OF COMPANY:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

2. SOLE PROPRIETOR (SINGLE OWNER BUSINESS)

I, _____, the undersigned, hereby confirm
 that I am the sole owner of the business trading as _____

SIGNATURE:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

3. PARTNERSHIP

We, the undersigned partners in the business trading as _____
 hereby authorize Mr/Ms _____ to sign this bid as well as any contract
 resulting from the bid and any other documents and correspondence in connection with this bid and /or con-
 tract for and on behalf of _____ (name of firm).

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner	Residential address	Signature

SIGNED ON BEHALF OF COMPANY:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

4. CLOSE CORPORATION

In the case of a close corporation submitting a bid, a resolution by its members, authorizing a member or other official of the corporation to sign the documents on their behalf, shall be included with the bid.

By resolution of members at a meeting on _____ 20____ at _____
 _____, Mr/Ms _____, whose
 signature appears below, has been authorized to sign all documents in connection with this bid on behalf of
 (Name of Close Corporation) _____

Full name of member	Residential address	Signature

SIGNED ON BEHALF OF CLOSE CORPORATION:		DATE:	
PRINT NAME:			
IN HIS/HER CAPACITY AS:			
WITNESS 1:		WITNESS 2:	

3. GENERAL CONDITIONS OF CONTRACT – GOVERNMENT PROCUREMENT

1. DEFINITIONS

The following terms shall be interpreted as indicated:

- 1.1. "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2. "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3. "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4. "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5. "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally
- 1.6. "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7. "Day" means calendar day.
- 1.8. "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9. "Delivery ex stock" means immediate delivery directly from stock actually on hand
- 1.10. "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11. "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12. "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable.
- 1.13. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.14. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.15. "GCC" means the General Conditions of Contract.
- 1.16. "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.17. "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as ~~transportation and handling charges to the factory in the Republic where the supplies~~

portation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

- 1.18. "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.19. "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.20. "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.21. "Project site" where applicable, means the place indicated in bidding documents.
- 1.22. "Purchaser" means the organization purchasing the goods.
- 1.23. "Republic" means the Republic of South Africa.
- 1.24. "SCC" means the Special Conditions of Contract.
- 1.25. "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.26. "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.27. "Tort" means in breach of contract.
- 1.28. "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.29. "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

- 2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2. Invitations to bid are usually published in locally distributed news media and on the municipality / municipal entity website.

4. Standards

- 4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

- 5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to

any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

- 5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

- 6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2. When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

7. Performance security

- 7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3. The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
 - 7.3.1. bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - 7.3.2. a cashier's or certified cheque
- 7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

8. Inspections, tests and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder.
- 8.2. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspections tests and analysis, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
- 8.3. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.

- 8.5. Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7. Any contract goods may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.
- 8.8. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

9. Packing

- 9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, and in any subsequent instructions ordered by the purchaser.

10. Delivery

Delivery of the goods shall be made by the supplier in accordance with the documents and terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified.

11. Insurance

The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

12. Transportation

Should a price other than an all-inclusive delivered price be required, this shall be specified.

13. Incidental

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any:
- 13.1.1. performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - 13.1.2. furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - 13.1.3. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - 13.1.4. performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and

13.1.5. training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1. As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

14.1.1. such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;

14.1.2. in the event of termination of production of the spare parts:

14.1.2.1. advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and

14.1.2.2. following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified.

16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3. Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4. Payment will be made in Rand unless otherwise stipulated.

17. Prices

Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

18. Variation orders

In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price and such offers, may be accepted provided that there is no escalation in price.

19. Assignment

The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract, if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

- 21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.4. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22 without the application of penalties.
- 21.5. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

- 23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- 23.1.1. if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- 23.1.2. if the Supplier fails to perform any other obligation(s) under the contract; or
- 23.1.3. if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4. If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5. Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchase actively associated.
- 23.6. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- 23.6.1. the name and address of the supplier and / or person restricted by the purchaser;
- 23.6.2. the date of commencement of the restriction
- 23.6.3. the period of restriction; and
- 23.6.4. the reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7. If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

- 25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1. If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3. Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4. Notwithstanding any reference to mediation and/or court proceedings herein,
- 27.4.1. the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- 27.4.2. the purchaser shall pay the supplier any monies due for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of liability

- 28.1. Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6;
- 28.1.1. the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
- 28.1.2. the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment

29. Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

31. Notices

- 31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.
- 32.4. No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of contracts

The contractor shall not abandon, transfer, cede, assign or sublet a contract or part thereof without the written permission of the purchaser.

34. Amendment of contracts

No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

35. Prohibition of restrictive practices.

- 35.1. In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2. If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3. If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

General Conditions of Contract (revised July 2010)

4. GENERAL CONDITIONS OF TENDER

1. Sealed tenders, with the “**Tender Number and Title**” clearly endorsed on the envelope, must be deposited in the **tender box indicated** at the offices of the Overstrand Municipality, Magnolia Avenue, Hermanus.
2. The tender must be lodged by the Tenderer in the tender box in the Main Cash Hall, Hermanus Municipal Offices, Magnolia Avenue, Hermanus

Please Note:

- ◆ **Tenders that are deposited in the incorrect box will not be considered.**
 - ◆ **Tender box deposit slot is 28cm x 2.5cm.**
 - ◆ **Mailed, telegraphic or faxed tenders will not be accepted.**
 - ◆ **Documents may only be completed in black ink.**
 - ◆ **The use of correction fluid/tape on the bid documents is not allowed. If there is an error, draw a line through it, initial next to it and make the correction directly above /below/next to it.**
 - ◆ **All bids must be submitted in writing on the official forms supplied (not to be re-typed)**
 - ◆ **All prices shall be quoted in South African currency and be inclusive of VAT.**
3. Any Tender received after the appointed time for the closing of Tenders shall not be considered but shall be filed unopened with the other Tenders received or may be returned to the Tenderer at his request.
 4. Tenders may not be telefaxed to the Municipality and therefore any tenders received by fax will **not** be considered.
 5. A separate Tender box is provided for the reception of Tenders and no Tender will be considered which, subsequent to the closing hour for Tenders, may be found in another box.
 6. Tenders shall be opened in public at the Hermanus Municipal Offices as soon as possible after the closing time for the receipt of tenders.
 7. Alterations or deletions not signed by the Tenderer may render the tender invalid.
 8. The Municipality shall have the right to summarily disqualify any Tenderer who, either at the date of submission of this tender or at the date of its award, is indebted to the Municipality in respect of any rental, levies, rates and/or service charges; ALTERNATIVELY;
 9. That an agreement be signed whereby the Tenderer agrees that a percentage or fixed amount at the discretion of the Municipality, be deducted from payments due to him for this tender, until the debt is paid in full.
 10. The tenderer shall declare **all** the Municipal account numbers in the Overstrand Area for which the enterprise or the proprietors or directors in their personal capacity is/ are responsible or co-responsible.
 11. All prices shall be quoted in South African currency and be **inclusive** of **VAT**.
 12. This bid will be evaluated and adjudicated according to the following criteria:
 - Relevant specifications
 - Value for money
 - Capability to execute the contract
 - PPPFA & associated regulations

_____ *[insert any other criteria]*

13. Invoices

All invoices must be forwarded to the following address:

Overstrand Municipality
PO Box 20
Hermanus, 7200

14. Value-Added Tax (VAT)

- 14.1. Tax invoices are to comply with the requirements as contained in the Value Added Tax Act, Act 89 of 1991. The content of the invoice must contain sufficient information for audit purposes.
- 14.2. It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice.
- 14.3. The amended Value-Added Tax Act requires that a Tax Invoice for supplies in excess of R3,000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005.
- 14.4. The VAT registration number of the Municipality is 4140106396.

15. Standard Payment Terms

- 15.1. All money owed by the municipality must be paid within 30 calendar days of receiving the relevant invoice or statement, unless prescribed otherwise for certain categories of expenditure.
- 15.2. Payment Cycles for the first 12 months of business with the Overstrand Municipality to Survivalist enterprises / Micro-enterprises
 - 15.2.1. Survivalist enterprises / Micro-enterprises are entitled to a weekly payment cycle by the municipality.
 - 15.2.2. In order to qualify for a weekly payment, a supplier must be classified as a Survivalist enterprises / Micro-enterprises on the Municipality's supplier database.
 - 15.2.3. A weekly payment to Survivalist enterprises / Micro-enterprises is not a right in terms of this policy. Survivalist enterprises / Micro-enterprises may request such payments which may be made at the discretion of the Municipality.

5. MBD 2 – TAX CLEARANCE CERTIFICATE REQUIREMENTS AND APPLICATION FORM

It is a condition of bid that the taxes of the successful bidder **must** be in order, or that satisfactory arrangements have been made with South African Revenue Services (SARS) to meet the bidder's tax obligations.

1. In order to meet this requirement, bidders are required to complete in full the TCC 0001 form, "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
3. The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be accepted.
4. In bids where Consortia / Joint Ventures / Sub-Contractors are involved, each party must submit a separate Tax Clearance Certificate.
5. Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za
6. Applications for the Tax Clearance Certificates may also be made via e-Filing. In order to use this provision, taxpayers will need to register with SARS as e-Filers through the website www.sars.gov.za



6. MBD 4 – DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid:

3.1.	Full Name of bidder or his or her representative													
3.2.	Identity Number													
3.3.	Position occupied in the Company (director, shareholder etc.)													
3.4.	Company Registration Number													
3.5.	Tax Reference Number													
3.6.	VAT Registration Number													
3.7.	Are you presently in the service of the state?	YES	NO											
3.7.1.	If so, furnish particulars:													
3.8.	Have you been in the service of the state for the past twelve months?	YES	NO											
3.8.1.	If so, furnish particulars:													

¹ MSCM Regulations: "in the service of the state" means to be –

- (a) a member of –
 - i. any municipal council;
 - ii. any provincial legislature; or
 - iii. the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.



3.9.	Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?	YES	NO
3.9.1.	If so, furnish particulars:		
3.10.	Are you aware of any relationship (family, friend, other) between a bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?	YES	NO
3.10.1.	If so, furnish particulars:		
3.11.	Are any of the company's directors, managers, principle shareholders or stakeholders in the service of the state?	YES	NO
3.11.1.	If so, furnish particulars:		
3.12.	Is any spouse, child or parent of the company's directors, managers, principle shareholders or stakeholders in the service of the state?	YES	NO
3.12.1.	If so, furnish particulars:		

4. DECLARATION

I, the undersigned (name) _____, certify that the information furnished in paragraph 3 above is correct.

I accept that the state may act against should this declaration prove to be false.

SIGNATURE		DATE	
NAME OF SIGNATORY			
POSITION			
NAME OF COMPANY			



7. MBD 6.1 – PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2011 – PURCHASES/SERVICES (90/10)

NB:

Before completing this form, bidders must study the general conditions, definitions and directives applicable in respect of B-BBEE, as prescribed in the Preferential Procurement Regulations, 2011.

1 GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all bids:
 - the 80/20 system for requirements with a Rand value of up to R1,000,000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R1,000,000 (all applicable taxes included).
- 1.2 The value of this bid is estimated to exceed R1,000,000 (all applicable taxes included) and therefore the 90/10 system shall be applicable.
- 1.3 Preference points for this bid shall be awarded for:
 - (a) Price; and
 - (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
1.3.1.1. Price	90
1.3.1.2. B-BBEE status level of contribution	10
Total points for Price and B-BBEE must not exceed	100

- 1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.5 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2 DEFINITIONS

- 2.1 *“All Applicable Taxes”* includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 *“B-BBEE”* means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 *“B-BBEE status level of contributor”* means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 *“Bid”* means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- 2.5 *“Broad-Based Black Economic Empowerment Act”* means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

- 2.6 “*Comparative Price*” means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- 2.7 “*Consortium or Joint Venture*” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract;
- 2.8 “*Contract*” means the agreement that results from the acceptance of a bid by an organ of state;
- 2.9 “*EME*” means any enterprise with an annual total revenue of R5 million or less (except where Sector Charter Thresholds apply);
- 2.10 “*Firm Price*” means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 “*Functionality*” means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 “*Non-firm Prices*” means all prices other than “firm” prices;
- 2.13 “*Person*” includes a juristic person;
- 2.14 “*Rand Value*” means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 “*Sub-contract*” means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.16 “*Total Revenue*” bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- 2.17 “*Trust*” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 “*Trustee*” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3 ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.



4 POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

80/20 or 90/10

Where:

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

5 POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	8	16
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5.2 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA’s approval for the purpose of conducting verification and issuing EMEs with B-BBEE Status Level Certificates.

5.3 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.

5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.

5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.

5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6 BID DECLARATION



6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6.1.2. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1	
6.1.2.1. B-BBEE Status Level of Contribution as reflected on the B-BBEE Certificate	
6.1.2.2. Points claimed in respect of Level of Contribution (maximum of 10 or 20 points)	

(Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).

7. SUB-CONTRACTING

7.1. Will any portion of the contract be sub-contracted? (<i>Tick applicable box</i>)	YES		NO	
7.1.1. If yes, indicate:				
7.1.1.1. what percentage of the contract will be subcontracted?				%
7.1.1.2. the name of the sub-contractor?				
7.1.1.3. the B-BBEE status level of the sub-contractor?				
7.1.1.4. whether the sub-contractor is an EME? (<i>Tick applicable box</i>)	YES		NO	

8. DECLARATION WITH REGARD TO COMPANY/FIRM

Name of Enterprise			
VAT registration number			
Company registration number			
TYPE OF ENTERPRISE (<i>Tick applicable box</i>)	Partnership / Joint Venture / Consortium		
	One person business / sole proprietor		
	Company		
	Close Corporation		
Describe principal business activities			
Company Classification (<i>Tick applicable box</i>)	Manufacturer		
	Supplier		
	Professional service provider		
	Other service providers, e.g. transporter, etc.		
TOTAL NUMBER OF YEARS THE ENTERPRISE HAS BEEN IN BUSINESS			



9. I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:
- (i) The information furnished is true and correct;
 - (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
 - (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
 - (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

SIGNATURE OF BIDDER(S):			
WITNESS 1:		WITNESS 2:	
DATE:			
ADDRESS:			

8. MBD 8 – DECLARATION OF BIDDER’S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1. This Municipal Bidding Document must form part of all bids invited.
2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality’s / municipal entity’s supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	Is the bidder or any of its directors listed on the National Treasury’s database as a company or person prohibited from doing business with the public sector? <i>(Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied).</i>	Yes	No
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? <i>(To access this Register enter the National Treasury’s website, www.treasury.gov.za, click on the icon “Register for Tender Defaulters” or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).</i>	Yes	No
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes	No
4.3.1	If so, furnish particulars:		



4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes	No
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes	No
4.7.1	If so, furnish particulars:		

5. CERTIFICATION

I, the undersigned (full name), _____, certify that the information furnished on this declaration form true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			

9. MBD 9 – CERTIFICATE OF INDEPENDENT BID DETERMINATION
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1. This Municipal Bidding Document (MBD) must form part of all bids² invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).³ Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

CERTIFICATE OF INDEPENDENT BID DETERMINATION:

In response to the invitation for the bid made by:

OVERSTRAND MUNICIPALITY

I, the undersigned, in submitting the accompanying bid, hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word “competitor” shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:

² Includes price quotations, advertised competitive bids, limited bids and proposals.

³ Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.



- (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium⁴ will not be construed as collusive bidding.
 7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - f) prices;
 - g) geographical area where product or service will be rendered (market allocation)
 - h) methods, factors or formulas used to calculate prices;
 - i) the intention or decision to submit or not to submit, a bid;
 - j) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - k) bidding with the intention not to win the bid.
 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
 9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
 10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

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⁴ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.



10. MBD 15 – CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES

NAME OF THE BIDDER: _____

FURTHER DETAILS OF THE BIDDER'S; Director / Shareholder / Partners, etc:

Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)

NB: Please attach certified copy(ies) of ID document(s)

I, _____,
 (full name in block letters) the undersigned, certify that the information furnished on this declaration form is correct and that I / we have no undisputed commitments for municipal services towards a municipality in respect of which payment is overdue for more than 90 days.

If the value of the transaction is expected to exceed R10 million (VAT included) I certify that the bidder has no undisputed commitments for municipal services towards a **Municipality** in respect of which payment is overdue for more than 30 days;

THUS DONE AND SIGNED for and on behalf of the Bidder, at _____, on the _____ day of _____ 20_____.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)	
--	--

SIGNATURE:		NAME (PRINT):	
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For office use (comments):



PART B – SPECIFICATIONS AND PRICING SCHEDULE

11. SPECIFICATIONS

A. GENERAL

1. Information and definitions:

- 1.1. All items on the Pricing Schedule, where detailed specifications apply, are listed under **B. PRODUCT SPECIFICATIONS**, and are cross referenced to the Pricing Schedule. In cases where a product does not have extensive specifications, the item specifications are listed with the item on the Pricing Schedule.
- 1.2. All fields must be completed for the tender to be considered. In cases where certain items cannot / are not provided by any one tenderer, it must be indicated as such on the tender document.
- 1.3. A valid original Tax Clearance Certificate obtained from the Receiver of Revenue must be submitted with the tender.
- 1.4. Tenders received without the completed Declaration of Interest will not be considered.
- 1.5. Persons working for organs of the state will not be considered for any tender or quotation.
- 1.6. Tenderers must take note that the tender will be disqualified in the event of a false statement having been made or false information having been submitted. The complete Supply Chain Management Policy is available for inspection at the Municipal Offices or on the website: www.overstrand.gov.za
- 1.7. An official order must be issued before any delivery may be made to the Municipality.
- 1.8. **Similar Products:** Similarity depends on several factors such as qualities, appearance, nature, meanings, characteristics, functions, quantities etc.
- 1.9. **Compatible Products:** Products capable of being used together with the existing infrastructure without special modification or adaptations OR capable of orderly, efficient integration and operation with other elements in a system with no modification or conversion required.

2. Deliveries:

- 2.1. Delivery must take place within 21 working days of placing an official order where lead times have not been indicated on the tender document by the tenderer.
- 2.2. Delivery address will be indicated on the official order as one of the following:
 - 2.2.1. Municipal Store, Main Road, HERMANUS OR Onrus, Hermanus, Municipal Electrical Store, Molteno Street.
 - 2.2.2. Municipal Store, 13th Street, KLEINMOND
 - 2.2.3. Municipal Store, Fabriek Street GANSBAAI
- 2.3. Delivery of products should include the off-loading thereof at the supplier's own risk and cost to the designated delivery addresses as indicated above.
- 2.4. Overstrand Municipality reserves the right to deviate from the contract and to obtain the product(s) from another supplier, where delivery/lead times are too long (in circumstances where emergencies arise). This deviation will be communicated to the supplier in writing before exercising of this right.

3. Pricing:

- 3.1. Pricing must be per unit or per 100 meters or per unit (Tenderers must furnish unit prices for the listed products only).
- 3.2. All prices must include delivery and off-loading at the respective stores mentioned in 2.2 above and **MUST** also **EXCLUDE VAT**.

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- 3.3. **Should the item prices tendered be subject to escalation, full details of the applicable formulae and base indices MUST be submitted with the tender.**
- 3.4. Due to the fact that this is a two year contract, the Overstrand Municipality holds the right to terminate the contract in cases of unfavourable price escalations.
- 3.5. All price increases must be communicated in writing to the Overstrand Municipality (Supply Chain Management and to the relevant Manager of the user department involved) prior to implementation. Price increases will only be implemented once written notification thereof has been received by the Municipality. Non-compliance herewith will be for the suppliers own account.

4. Quality and quantities:

- 4.1. All cables shall be SANS tested and shall bear the SANS mark.
- 4.2. All products/material must be SANS and SABS approved.
- 4.3. All product items, where applicable, should carry (minimum of one year) guarantees or warranties and defaults will be replaced at the cost of the supplier. It will be the responsibility of the supplier to ensure that the products are replaced (Retailers to Manufacturers).
- 4.4. Rebates on used items for recycling should be indicated (Collection at supplier's own cost).
- 4.5. Non-compliance to agreed service delivery, could lead to breach of contract and the supplier will be liable for any expenses incurred as effect thereof.
- 4.6. In cases where a "similar" product is offered, Manufacturer and model/type details MUST be provided. The Municipality reserves the right to inspect/test samples of such "similar" items prior to the final evaluation and adjudication of the tendered items.
- 4.7. Quantity projections based on historical data, will be provided in all instances where it is possible; otherwise no estimated quantity projection will be provided. The products will be ordered throughout the financial year as and when required. The Overstrand Municipality will not be bound to the estimated quantities as mentioned in the Pricing Schedule. The tendered prices will be binding to this contract.

B. PRODUCT SPECIFICATIONS

1. ENERMAX PLUS METERS: SPECIFICATION FOR ELECTRONIC PROGRAMMABLE 3 AND 4 WIRE ELECTRICITY METERS (ENERMAX PLUS METERS ONLY)

* **SEE ITEMS 3.3 & 3.4; MBD3.1 – PRICING SCHEDULE**

1.1. GENERAL

The meters shall be suitable for 3 phase 50Hz 3 and 4 wire class 0,5 Wh, 4 quadrant energy and demand metering of nominal voltages 100-400V line or 60-230V phase and currents 1A and 5A.

The meter shall be programmable to cater for time of use metering with at least 8 user programmable display menus, including automatic scrolling of any menu and display of alpha numerical programmable messages.

IEC 62052-11 compliance.

Voltage operating range: 80% - 115% of nominal.

Current operating range: 200% of nominal.

Short circuit 0,5 seconds 20 x I_{max}.

Burden < 3 VA

Internal clock accuracy: 0,5 seconds/day.

Internal battery replaceable: power down life min 8 years.

Auxiliary terminals: 3 input, 3 output solid state.

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LCD Display: dot matrix

Program for PC: latest version to be provided free of charge

Extraction of meter program file and report and instantaneous phasor diagrams.

Extraction of billing data for at least 32 months and 8 channels 30 minute profile data for 175 days.

Selectable instantaneous parameters for profile recording including voltages, currents, import and export active and reactive power, power factor, frequency and temperature.

Profile data storage based on instantaneous, sum, min., max. or average.

Block demand programmable 1-60 minutes.

Firmware upgrading via optical port.

Time of use metering up to 12 seasons, 8 day types, 16 rates, 64 switching times per day and 128 exclusion days.

1.2. ELECTRICAL

1.2.1. Accuracy

1.2.1.1. IEC 62053-22 Class 0.5 (Wh)

1.2.1.2. IEC 62053-23 Class 2.0: (varh)

1.2.2. Models

1.2.2.1. 1A or 5A CT selectable.

1.2.2.2. E+MA-454000 (4wire 230V L-N).

1.2.2.3. E+MA-153000 (3wire 110V L-L).

1.2.2.4. Whole current 100A.

1.2.3. Functions

1.2.3.1. Fully programmable.

1.2.3.2. Multi-function.

1.2.3.3. Powerful tariff structure.

1.2.3.4. Multiple rates for Energy & Demand.

1.2.3.5. Full functions, import & export.

1.2.3.6. User configured Menu's & displays.

1.2.3.7. Profiling Wh, varh, Amps, Volts.

1.2.4. Additional input/output:

1.2.4.1. 8 outputs

1.2.4.2. 8 inputs

1.2.4.3. 4 inputs & 4 outputs

1.2.5. Communications

1.2.5.1. RS232/485: RS232 local with onboard RS485 port (Multi-drop).

1.2.5.2. GPRS: Remote communication with onboard RS485 port (Multi-drop).

1.2.5.3. Ethernet LAN: Remote communication with onboard RS485 port (Multi-drop).

1.2.6. Environmental

1.2.6.1. IEC 62052-11 compliant

1.2.6.2. Temperature range: operation -25°C to 55 °C

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2. MINIATURE SUBSTATIONS

* SEE ITEMS 5.1 TO 5.7; MBD3.1 – PRICING SCHEDULE

CONSTRUCTION – GENERAL	
Relevant Standards	SABS 1029, SABC 1030 NRS 004 (Part 1) latest revisions. Units shall bear the relevant SABS mark.
Construction type	Type A (Longitudinal)
Enclosure, roof, doors manufactured from:	3 mm mild steel, hot dip galvanised or 3CR12 stainless steel. All bolts, nuts, washers to be stainless steel.
Doors : Hinges	Heavy-duty brass or stainless steel, pedestal type.
Locking mechanisms	Three-point heavy duty type, constructed entirety of brass or stainless steel, pad lockable handle. Stainless steel Allen head bolt (12mm), recessed into door to lock three point mechanism in closed position when screwed fully home.
Restraints	Door hook or stainless steel chain.
Finish	Appropriate surface treatment, 125 micron coastal paint finish, final colour "Avocado", C12 to SABC 1091.
HIGH VOLTAGE COMPARTMENT	
Ring main Unit	Schneider/ABB
Approved types	RM6-2-11kV-NEIDI35U; ABB Safe Ring CCV 11kV
Cable end boxes	Suitable for heat shrink terminations
Fuse Ratings	As per mini substation manufacturer recommendations.
TRANSFORMER	
Relevant Standard	SABS 780, latest revision
Tank	Hermetically sealed, welded lid, zinc sprayed, paint finish as for miniature substation enclosure. Fins HDG
Standard Ratings	200, 315, 400, 500, 630 kVA
Winding material	Copper
Voltage ratio (centre tap)	11000/420V
Tap changer: Type Range	Off-load, padlockable. 0%, $\pm 2.5\%$, $\pm 5\%$
Vector group	Dyn 11
Maximum impedance	4.5%, SANS780
Other equipment / accessories	Porcelain bushings (HV & LV); Diagram and rating plate; Oil level sight glass
LOW VOLTAGE COMPARTMENT	
Equipment support frame and cover plates	Manufactured from 3CR12 steel, with white enamel finish, mounting facilities and blanking plates at future or spare equipment positions. Heater to be installed + Thermostat.
Busbars : Type	Predrilled tinned copper to SABS 1195
Current Rating	In accordance with transformer rating, subject to minimum of 250 mm ² for phases and neutral 15 kA (min) up to 400 kVA
Fault Rating	20 kA for 500 kVA

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MAIN LV CIRCUIT BREAKER:	
Up to 400kVA (600A)	Heinemann L20B
500kVA (800A)	Heinemann MB 25
LV DISTRIBUTION PROTECTIVE DEVICES:	
Circuit breakers	Heinemann JSO with T2 extended lug terminals and phase barriers on line and load side.
Instrumentation: current transformers	Set of three, dual ratio, connected for lower ratio. Enermax Plus meter with modem (E+454000 E+EA/GSM040 MTN DATA SIM CARD) supplied via a testblock.
Am meters	Set of three combined maximum demand / instantaneous indication, dual scales as per associated current transformers, size 96 mm x 96 mm
Volt meter	96mm x 96mm, Scaled 0-500V, selector switch for readings between phases and between phases and neutral, connected <u>upstream</u> of main circuit breaker via HRC cartridge fuse.
STREETLIGHT CONTROL EQUIPMENT:	
Main protection:	3 x 63A HRC cartridge fuses
Metering:	1 x 3 phase kWh meter
Feeder protection:	30A single pole 5 kA circuit breaker.
Contactors:	60A three pole
Control fuse:	6A HRC
Bypass switch:	3 position rotary (ON, AUTO, OFF)
Support for cable terminations: Single switch socket outlet 16A	Hot dip galvanised K-Clamp: Controlled by E/Leakage and 20 A C/B.
EARTHING	
Earth bolts	M12 SS in HV and LV compartments, complete with nuts, two washers and locknuts.
Earth bar	25mm x 6mm Copper earth bar, predrilled and at least 1000mm long, separately in HV and LV compartments.
Connections	Lugged 70mm ² copper connections between earth bolts and neutral and earth bars.
Earth Conductor	Refer item 3.7.2
LABELS AND NOTICES	
External designation label	Engraved 3mm thick aluminium, 40mm lettering, filled with red paint and over baked, fixed to centre of unit on road side with non-corrosive pop rivets.
Danger signs	Durable, non-corrosive "electrical flash" sign to MOS Act requirements, fitted to outside of doors with non-corrosive pop rivets.
Compartment identification	Inside of doors stenciled "HV/HS" and "LV/LS" for HV and LV compartments respectively, red lettering on white background.
Equipment labels: Type	Engraved Celeron or similar material, 10mm black lettering on white background, pop riveted.
Typical inscriptions	"TRANSFORMER" (at fuse switch of HV ring main unit.) "SS 41", "SS43" (at ring switches of HV ring main unit at SS 42) "MAIN SWITCH" (at main switch in LV compartment) "CABLE 2 – 43/5" (at feeder circuit breaker or fuse pillar of LV cable feeder no 2 to meter kiosk 43/5)

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Typical inscriptions - continue	<p>"RED PHASE" (at am meter registering red (or ammeter frame of relevant colour) phase current)</p> <p>"CONNECTED TO 250/5" and (on reverse)</p> <p>"CONNECTED TO 500/5" (at am meters to indicate applicable current ratio)</p> <p>"RW", "WV", "BR", "RN", "WN", "BN" (various positions of voltmeter selector indicated on escutcheon plate)</p> <p>"STREET LIGHTS MAIN" (at 63A HRC fuses)</p> <p>"VOLTMETER" (at 6A HRC street light control fuse)</p> <p>"ON OFF PHOTOCELL" (at bypass switch)</p> <p>"CABLE 8 – S/L18" (at street light circuit breaker of feeder no 8 to street light no 18)</p>
INSTALLATION REQUIREMENTS	
Positioning	To be individually clarified by Municipality
Plinth: Material	In situ cast concrete (20 Mpa at 7 days)
Dimension	To miniature substation manufacturer's recommendations, to protrude 150mm above surrounding ground level and 100mm beyond base frame with 45° chamfer.
Gasket	Wax-impregnated polyurethane foam strip (Sondorband or similar approved) / Malthoid 2mm thick, placed between base frame and concrete.
Vermin proofing	Cable access opening below HV & LV compartments filled with clean sand and top 50mm finished with 1:-1 weak sand/cement screed after installation of all cables
Padlocks	Brass padlocks for HV and LV compartments

3. POLE MOUNTED TRANSFORMER WITH ENCLOSED LV COMPARTMENT 'PINE NUT' FOR COASTAL SPECIFICATIONS

* **SEE ITEM 5.12; MBD3.1 – PRICING SCHEDULE**

TRANSFORMER SPEC		DETAILS
Transformer Type		SABS 780
Reference		New Design
Rating	kVA	200
Cooling		ONan
Phase		3
Vector Group		Dyn 11
HV Volts	V	11000
LV Volts	V	420
Frequency	Hz	50
Cond. Mat.	Lv/Hv	Cu/CU
Impedance	%	SANS 780
No Load Loss	Watt	SANS 780
Load Loss	Watt	SANS 780
Tappings	%	HV $\pm 2.5 \pm 5.0$
Temp. Rise	Deg C	Oil/60/65
Ambient	Deg C	40

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Tank Construction		Conventional Type – Welded Radiators
Tank Material		Mild Steel
Tank Type		Welded Sealed
Base Type		Flat Base
HV Bushing Location		Side Mounted
HV Bushing Type		Porcelain
LV Bushing Location		Side Mounted
LV Bushing Type		Porcelain
Cable Box HV		None
Cable Box LV		Air Box with Gear (hinged door)
Corrosion Protection		Zinc Spray & Galv Rads
Final Coat colour		Avocado
Paint thickness	pm	125
Thermometer Pocket		No
Surge Arrestor Brackets		Yes
Earthing facility		Earth Boss
Arcing Horns		No
Jacking Pads		No
Fasteners		Stainless Steel
Oil Gauge		None
Pressure Valve		None
Valves		None
Rollers		None
Thermometer (oil)		None
Thermometer (winding)		None
Buchholz		None
Main LV Compartment	A	300
Feeders	A	3 X 150

4. POLYBOX – POLYETHYLENE TYPE PB-A1 POLE MOUNT ENCLOSURE/W STAINLESS STEEL POLE MOUNT BRACKETS, MOUNTING BOARD AND NEUTRAL BAR

* (SEE ITEM 6.1.6; MBD 3.1 - PRICING SCHEDULE)

4.1. POLYETHYLENE POLE MOUNT ENCLOSURE

- 4.1.1. A pole mounted meter box, manufactured of polyethylene with a top mounted door which is able to slide in and be self supportive.
- 4.1.2. Must have a stainless steel locking mechanism.
- 4.1.3. Must have stainless steel pole mount brackets.
- 4.1.4. Danger labels to be moulded into the door/s during the moulding process;
- 4.1.5. Must be able to accommodate either Eskom Spec HDG Gland Plate or Standard Unistrut.

HI	H3	W1	W2	D1	WORKING DEPTH
490mm	450mm	445mm	490mm	220mm	180mm

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5. 12 KV INDOOR AND OUTDOOR METAL-ENCLOSED RING MAIN UNITS, METERING RING MAIN UNITS AND COMPACT SWITCHGEAR

* **SEE ITEMS 9.1 & 9.2; MBD 3.1 - PRICING SCHEDULE**

5.1. SCOPE OF SPECIFICATION

This specification provides for the manufacture, testing, supply and delivery of 12 kV metal-enclosed ring main units for both indoor and outdoor installation.

5.2. NORMATIVE REFERENCES

The following documents contain provisions that, through reference in the text, constitute requirements of this specification. At the time of publication, the editions indicated were valid. For dated references only, the edition cited applies. For undated references, the latest edition (including amendments) applies. Information on currently valid national and international standards can be obtained from the South African Bureau of Standards.

BS 7215	- Separable insulated cable connector system above 1 kV and up to 36 kV
EN 50181	- Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA, for equipment other than liquid filled transformers.
IEC 60255-1	- Measuring relays and protection equipment – Part 1: Common requirements
IEC 60255-151	- Measuring relays and protection equipment – Part 151: Functional requirements for over / under current protection
IEC 60376	- Specification of technical grade sulphur hexafluoride (SF ₆) for use in electrical equipment
IEC 60787	- Application guide for the selection of high-voltage current-limiting fuses for transformer circuit applications
NRS 012	- Cable terminations and live conductors within air insulated enclosures (insulation co-ordination) for rated A. C. voltages of 7,2kV and up to and including 36 kV.
NRS 053	- Accessories for medium-voltage power cables (3,8/6,6 kV to 19/33 kV)
SANS 97	- Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables)
SANS 630	- Decorative high gloss enamel paint for interior and exterior use
SANS 780	- Distribution transformers
SANS 1091	- National colour standards for paint
SANS 1186-1	- Symbolic safety signs Part 1: Standard signs and general requirements
SANS 1507-2	- Electrical cables with extruded solid dielectric insulation for fixed installation (300/500 V to 1 900/ 3 300) Part 2: Wiring Cables
SANS 1874	- Metal enclosed ring main units for rated ac voltages above 1 kV and up to and including 36 kV
SANS 9001	- Quality management systems - Requirements
SANS 60044-1	- Instrument transformers Part 1: Current transformers
SANS 60044-2	- Instrument transformers Part 2: Inductive voltage transformers
SANS 60137	- Insulated bushings for alternating voltages above 1 000 V
SANS 60265-1	- High-voltage switches Part 1: Switches for rated voltages above 1 kV and less than 52 kV

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- SANS 60270 - High-voltage test techniques - Partial discharge measurements
- SANS 60282-1 - High-voltage fuses Part 1: Current limiting fuses
- SANS 60529 - Degree of Protection provided by Enclosures (IP Code)
- SANS 60815-1 - Selection and dimensioning of high-voltage insulators intended for use in polluted conditions Part 1: Definitions, information and general principles
- SANS 61238-1 - Compression and mechanical connectors for power cables for rated voltages up to 30 kV ($U_m = 36$ kV) Part 1: Test methods and requirements
- SANS 61243-5 - Live working – Voltage detectors Part 5: Voltage detecting systems (VDS)
- SANS 62271-1 - High-voltage switchgear and control gear Part 1: Common specifications
- SANS 62271-100 - High-voltage switchgear and control gear Part 100: Alternating-current circuit-breakers
- SANS 62271-102 - High-voltage switchgear and control-gear – Alternating current disconnectors and earthing switches
- SANS 62271-105 - High-voltage switchgear and control-gear – Alternating current switch-fuse combinations
- SANS 62271-200 - High-voltage switchgear and control-gear – AC metal enclosed switchgear and control-gear for voltages above 1 kV and up to and including 52 Kv
- SANS 62271-202 - High-voltage switchgear and control-gear – High voltage / low voltage pre-fabricated substation

5.2.1. Tenderers offering equipment to standards other than those mentioned above might be considered provided it is clearly indicated in which respects the equipment offered does not comply and the likely consequences of such non-compliance.

5.3. GENERAL

5.3.1. Service Conditions

- 5.3.1.1. The equipment will be connected to a 50 Hz, three-phase system having a maximum fault level of 20 KA and a nominal voltage of 11kV.
- 5.3.1.2. Ring main units for outdoor installation shall be suitable for outdoor all-weather use at sea-level and furthermore be suitable for installation in areas classified as Pollution Level III (Heavy) in accordance with SANS 60815 due to close proximity to the sea and exposure to strong onshore winds.
- 5.3.1.3. Ring main units and compact switchgear for indoor installation shall be suitable for installation in areas classified as Pollution Level III (Heavy) in accordance with SANS 60815 due to substation switch-room locations in close proximity to the sea and with exposure to strong onshore winds.
- 5.3.1.4. The highest ambient temperature commonly experienced is 40°C and the lowest - 5°C. Relative humidity varies between 20% and 90%.

5.3.2. Installation Conditions

- 5.3.2.1. Ring main units for outdoor installation will be installed on a concrete plinth with suitable cut-outs for cable entry.
- 5.3.2.2. Ring main units and compact switchgear for indoor installation will be installed within brick-built substation rooms with epoxy finished cement screed concrete floors and 900 mm deep cable trenches fitted with Meranti timber or marine-ply clad glass fibre grid trench cover boards.

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5.3.3. Compliance With Regulations

All apparatus and materials supplied shall comply with the current requirements of the Republic of South Africa's Occupational Health and Safety Act, Act 85 of 1993 as amended, and the Regulations issued there under and any regulations issued in modification or substitution thereof. In addition, they shall comply with any other requirements having the force of law to which the Municipality is subject.

5.3.4. Quality, Design And Execution

- 5.3.4.1. All apparatus should comply with this Specification. Any departures from the requirements of this Specification shall be stated in the Schedules and/or in a covering letter and may be accepted at the Engineer's discretion.
- 5.3.4.2. No departure shall be implemented without the prior approval of the Engineer.
- 5.3.4.3. The equipment shall comply with the particulars and guarantees stated in the Schedules.
- 5.3.4.4. The equipment offered shall comprise the Manufacturer's standard equipment, the reliability of which has been thoroughly proven in service.
- 5.3.4.5. Only proven design and construction methods and principles will be acceptable.
- 5.3.4.6. All equipment, components and accessories shall have passed the type tests laid down in the appropriate specifications. The Tenderer shall submit with his tender copies of the results of all type tests and certificates of rating. The tests shall have been conducted by an accredited independent test laboratory and approved by the Engineer. The testing laboratory shall be accredited by a national accreditation body that is a member of the International Accreditation Cooperation. **TENDERS WILL NOT BE CONSIDERED UNLESS THE REQUIRED CERTIFICATES HAVE BEEN SUBMITTED.** Type tests for extensible switch panels shall include certification for an assembled switchboard including the busbar couplers or external busbars.
- 5.3.4.7. The Contractor's quality assurance system shall be approved in terms of SANS 9001. A copy of the registration certificate shall be submitted with the Tender and the number entered in the Schedules. Alternative quality assurance systems may be considered but shall be to the approval of the Engineer.
- 5.3.4.8. All materials used shall be new materials and of the best quality. The material of which each part is made shall be one of those recognised as suitable for the purpose in conservative modern practice and of a class suitable for working under the conditions specified. The variations of temperature and atmospheric conditions arising under working conditions shall not cause distortion, deterioration or the setting up of undue stresses in any part nor affect the strength and suitability of the various parts for the work which they have to perform. No welding, filling or plugging of defective parts will be permitted without the sanction in writing of the Engineer.
- 5.3.4.9. Only materials with minimum temperature ratings, in air, in accordance with SANS 62271-1 shall be acceptable and all such materials shall be non-combustible.
- 5.3.4.10. The design and execution of the Work shall incorporate every practicable precaution and provision for:-
 - 5.3.4.10.1. The safety of those who will operate and maintain the equipment.
 - 5.3.4.10.2. The satisfactory operation of the equipment under all conditions liable to be met in service, and
 - 5.3.4.10.3. To facilitate inspection, maintenance and repairs.
 - 5.3.4.10.4. Features likely to require excessive maintenance shall be carefully avoided.
 - 5.3.4.10.5. Kiosks, cubicles and similar enclosed compartments shall be adequately ventilated to restrict condensation but shall at the same time be vermin proof.

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5.3.4.10.6. Tenderers shall offer equipment of the highest possible quality to ensure highly reliable service and only proven designs will be accepted.

5.4. REQUIREMENTS

5.4.1. Configuration

- 5.4.1.1. The ring main units shall comprise a combination of non-automatic ring main switch disconnecter, switch-fuse combination tee-off and/or circuit breaker tee-off modules, as specified, connected in series by a common busbar.
- 5.4.1.2. The ring main units shall be non-extensible.
- 5.4.1.3. The compact switchgear shall comprise single module or multiple module extensible non-automatic ring main switch disconnecter, switch-fuse combination, circuit breaker and/or metering modules, as specified, designed for assembly into switchboards through interconnection with insulated and screened busbar couplers or external busbars.
- 5.4.1.4. The ring main units and compact switchgear shall be supplied and type tested complete with any weatherproof kiosks, pedestals and / or raising bases necessary to comply with the requirements of this specification.

5.4.2. Ratings

- 5.4.2.1. Rated Voltage
 - The rated voltage of the ring main units and compact switchgear shall be 12 kV.
- 5.4.2.2. Rated Insulation Level
 - The rated peak lightning impulse peak withstand voltage shall be 95 kV and the rated short duration power frequency withstand voltage 28 kV.
- 5.4.2.3. Rated Normal Current
 - The rated normal current of the ring main switch disconnectors shall be 630 A.
 - The rated normal current of the switch-fuse combination tee-off and circuit breaker tee-off shall be 200 A.
 - The rated normal current of the busbars, including all couplers and connectors, shall be the same as the ring main switch disconnectors.
- 5.4.2.4. Rated Short-time and Peak Withstand Current
 - The rated short time withstand rms current shall be 20 kA for 3 seconds, and the rated peak withstand current shall be 50 kA.
- 5.4.2.5. Rated Breaking Current and Short Circuit Breaking Current
 - The rated breaking current of the ring main switch-disconnector and circuit breaker modules shall be in accordance with the requirements of SANS 1874.
 - The rated breaking current of the switch of the switch-fuse combination modules shall be 200 A, in accordance with SANS 60265-1.
 - The rated short circuit breaking current of the switch-fuse combination and circuit breaker tee-offs shall be 20 kA.
- 5.4.2.6. Rated Short Circuit Making Current
 - The rated short circuit making current of the ring main switch disconnectors, switch-fuse combination tee-offs, circuit breaker tee-offs and earthing switches shall be 50kA.

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5.4.3. Internal Arc Classification

- 5.4.3.1. Ring main units for outdoor installation shall have a minimum internal arc classification of IAC AB 20 kA 0,5 s, in accordance with the requirements of SANS 62271-202. This rating shall apply to the complete ring main unit, including cable termination enclosures, and its weatherproof kiosk, as installed.
- 5.4.3.2. Ring main units and compact switchgear for indoor installation shall have a minimum internal arc classification of IAC AFL 20 kA 0,5 s, in accordance with the requirements of SANS 62271-200. This rating shall apply to the complete ring main unit or assembled compact switchgear switchboard, including cable termination enclosures and any necessary pedestals or raising bases, as installed.
- 5.4.3.3. Tenderers shall provide detailed information with their tenders covering the installation requirements necessary to ensure compliance with the IAC rating of the ring main units and compact switchgear. This shall include requirements for fixing of the ring main unit or its weatherproof kiosk to the floor or plinth, details of minimum wall and roof clearances for indoor installations and details of any restrictions or prohibited access zones necessary in the vicinity of the ring main unit.

5.5. GENERAL REQUIREMENTS

5.5.1. Design and Construction of Switchgear

- 5.5.1.1. The ring main units and compact switchgear shall comply with the requirements of SANS 1874 and SANS 62271-200 and shall be of fixed pattern design.
- 5.5.1.2. All primary components of the equipment shall be made and assembled by the same Manufacturer.
- 5.5.1.3. Only units with proven service history shall be considered.
- 5.5.1.4. All switching devices shall be operable from the front of the unit.
- 5.5.1.5. The ring main units and compact switchgear shall be provided with lifting eyes with a minimum diameter of 30 mm for lifting or slinging.

5.5.2. Insulating/Interrupting Medium

- 5.5.2.1. The ring main units and compact switchgear shall be SF₆ insulated.
- 5.5.2.2. Only new SF₆ gas complying with the requirements of IEC 60376 shall be used.
- 5.5.2.3. The gas-insulated switch compartments of the switchgear shall be factory sealed for life for a minimum maintenance-free lifespan of 30 years.
- 5.5.2.4. The ring main units and compact switchgear shall not require routine gas replenishment during normal service.
- 5.5.2.5. The manufacturer of the ring main units and compact switchgear shall provide full details of the programme for safe recovery of SF₆ gas after their service life.
- 5.5.2.6. The cartridge fuses on switch-fuse combination modules shall be air insulated.
- 5.5.2.7. The interrupting medium for the switch disconnectors, switch fuse combination disconnectors and circuit breakers shall be SF₆ gas or vacuum, and shall be detailed in the Schedules.

5.5.3. Monitoring Facility for Insulating Medium

- 5.5.3.1. An SF₆ gas monitoring gauge shall be provided to indicate safe and unsafe gas pressure and shall be visible from the front panel.

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5.5.4. Degree of Protection

- 5.5.4.1. The degree of protection of the weatherproof kiosk for ring main units for outdoor installations shall be a minimum of IP 44, in accordance with SANS 60529.
- 5.5.4.2. The degree of protection of all accessible enclosures and compartments of the ring main units and compact switchgear shall be a minimum of IP 4X, in accordance with SANS 60529, applicable when all doors are closed.

5.5.5. Accessibility of Compartments

- 5.5.5.1. The ring main unit and compact switchgear gas-insulated switch compartment shall be a non-accessible compartment in accordance with SANS 62271-200.
- 5.5.5.2. The ring main unit and compact switchgear air-insulated fuse compartment, where applicable, shall be an interlock-controlled accessible compartment in accordance with SANS 62271-200.
- 5.5.5.3. The compact switchgear air-insulated metering module shall be an interlock-controlled accessible compartment in accordance with SANS 62271-200.
- 5.5.5.4. The ring main unit and compact switchgear cable termination boxes shall be interlock-controlled accessible compartments in accordance with SANS 62271-200.
- 5.5.5.5. The ring main unit and compact switchgear cable test facility compartments, where applicable, shall be interlock-controlled accessible compartments in accordance with SANS 62271-200.

5.5.6. Partition Class

- 5.5.6.1. The ring main units and compact switchgear shall be of Partition Class PM in accordance with SANS 62271-200, with earthed metallic partitions between live compartments.

5.5.7. Service Continuity Category

- 5.5.7.1. The ring main units and compact switchgear shall be Loss of Service Continuity (LSC) category LSC1 in accordance with SANS 62271-200.

5.5.8. Cable Test Facilities

- 5.5.8.1. Integral cable test facilities that do not require access to the cable boxes or removal of the separable connectors of the cable termination shall be provided on the ring main switch disconnecter modules for the application of test voltages to the associated circuit of up to 19 kV DC or 13 kV AC to earth.
- 5.5.8.2. Where provided for by the particular switchgear design, integral cable test facilities that do not require access to the cable boxes or removal of the separable connectors of the cable termination shall also be provided on the switch-fuse combination modules and circuit breaker modules.
- 5.5.8.3. The cable test facilities shall not require the use of any loose test plugs or prods and shall be accessible from the front of the ring main unit and compact switchgear.
- 5.5.8.4. Access to cable test facilities shall be interlock-controlled to ensure that the test facilities shall only be accessible when the associated earth switch is in the EARTH position, and the cable test facility access shall be capable of being padlocked.
- 5.5.8.5. The internal arc classification of the ring main unit and compact switchgear pertaining to other live compartments or switch modules shall be maintained while the cable test facilities on any particular switch module are accessed.
- 5.5.8.6. Phase colours and warning notices shall be permanently marked on test terminals, to approval.

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5.5.9. Cable Earthing Facilities

- 5.5.9.1. The ring main switch disconnecter, switch-fuse combination tee-off and circuit breaker tee-off modules shall each be fitted with an integral cable earthing switch that complies with the requirements of SANS 62271-102 and SANS 62271-200.
- 5.5.9.2. Cable earthing facilities which require the use of loose equipment or attachments shall not be acceptable.
- 5.5.9.3. Earthing facilities on the switch-fuse combination modules shall earth both sides of the fuse link.

5.5.10. Cable Live Indication

- 5.5.10.1. A three phase voltage detection system (VDS) suitable for the detection and indication of presence and absence of operating voltage and complying with the requirements of SANS 61243-5 shall be provided on all switching devices on the ring main units and compact switchgear.
- 5.5.10.2. The VDS system shall provide permanent VDS indication and shall provide for electrical phasing between modules on the ring main units and compact switchgear through the use of universal phase comparators (UPCs).
- 5.5.10.3. All capacitive dividers utilised for live circuit indication shall have been type tested, shall have proven in-service performance history in harsh coastal environments, and shall be individually tested for partial discharge in accordance with the requirements of SANS 60270.

5.5.11. Mechanism Locking Facilities

- 5.5.11.1. Each ring main switch disconnecter, switch-fuse combination tee-off and circuit breaker tee-off shall be capable of being padlocked in the ON position, the OFF position and the EARTH position in accordance with SANS 1874.
- 5.5.11.2. Each push button for operation of the ring main unit (e.g. Trip / close push buttons on switch-fuse combination tee-off and circuit breaker tee-off) shall be fitted with a padlockable metal cover to prevent unauthorised operation.
- 5.5.11.3. The operating control locking facilities shall be designed to be locked with mini-padlocks with 4 mm shackles.

5.5.12. General Interlocks

- 5.5.12.1. Positive mechanical interlocking shall be provided on the ring main units operating mechanisms in accordance with SANS 1874.

5.5.13. RMU Rating Plate

- 5.5.13.1. The ring main units and compact switchgear shall be fitted with rating plates complying with the requirements of SANS 1874.

5.5.14. Marking and Labelling

- 5.5.14.1. The ring main units and compact switchgear shall have markings and labelling as specified in SANS 1874.
- 5.5.14.2. Single line operating diagrams shall be clearly marked on the front panel of the units.
- 5.5.14.3. All apparatus and interlocks shall be clearly labelled indicating their purpose, function and operating procedure.
- 5.5.14.4. All main circuit bushings and test contacts shall be legibly and indelibly marked with the appropriate phase designation assigned to that terminal. The markings shall be one of L1, L2 or L3, as appropriate.

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- 5.5.14.5. The material, method of printing and method of fixing of all labels shall be to the approval of the Engineer. Mechanical methods of fixing are preferred.
- 5.5.14.6. Paper stick-on labels shall not be acceptable.
- 5.5.14.7. The total mass of the unit (in kilograms) shall be marked on its side or rear. In the case of ring main units for outdoor installation the total mass of the ring main unit and kiosk assembly shall be stencilled on the side of the kiosk in white lettering with a minimum font size of 50 mm (e.g. "TOTAL MASS: 500 kg").
- 5.5.14.8. A metallic corrosion-resistant 150 mm x 150 mm Type WW7 warning sign in accordance with SANS 1186 shall be permanently attached to the outside of the weatherproof kiosk doors and also each cable termination compartment cover or door. If pop-rivets are used, only stainless steel blind pop rivets will be acceptable.
- 5.5.14.9. Where the ring main unit or compact switchgear supplier is not the manufacturer, the supplier shall provide and affix in an approved position a label detailing the supplier's name or trade mark.

5.5.15. Earthing

- 5.5.15.1. The ring main units and compact switchgear shall be provided with earth connection terminals and tinned copper earth bars complying with the requirements of SANS 1874.
- 5.5.15.2. The earth connection terminal for each metal enclosure and the main tank shall be suitable for the maximum earth fault current specified in Clause 3 of the specification, and shall be of size M12.
- 5.5.15.3. Two stainless steel nuts and washers shall be provided on each earth connection terminal.
- 5.5.15.4. All earth bars shall be bonded together providing electrical continuity. All bonding conductors used to interconnect the separate earth bars shall be copper and have a cross sectional area not less than that of the ring main unit earth bar.
- 5.5.15.5. A minimum of 4 holes diameter suitable for an M12 bolt shall be provided in the earth bar for earth connections.
- 5.5.15.6. Any earth bars external to the cable termination compartments shall be shrouded or covered in an approved manner to remove them from view and inhibit unauthorised access so as to minimise the possibility of theft.

5.5.16. Painting and Protection against Corrosion

- 5.5.16.1. The ring main units and compact switchgear shall be painted and protected against corrosion in accordance with the requirements of SANS 1874.
- 5.5.16.2. The gas-insulated switch compartment shall be constructed from stainless steel.
- 5.5.16.3. All other sheet steel work shall comprise an approved corrosion resistant metal.
- 5.5.16.4. All external nuts and bolts shall be manufactured from stainless steel. Care shall be taken to ensure that nuts and bolts are not over tightened such that the threads are damaged and the nuts and bolts cannot be loosened and/or retightened.

5.6. SWITCH DISCONNECTOR MODULES

5.6.1. General

- 5.6.1.1. Each switch disconnecter shall be a three pole switch that complies with the requirements for general purpose switches of SANS 60265-1.
- 5.6.1.2. Switch disconnectors shall be at least Class E2 M1 in accordance with SANS 60265-1.

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5.6.2. Operation

- 5.6.2.1. The operating mechanism of switch disconnectors shall provide independent manual closing and opening.

5.7. SWITCH-FUSE COMBINATION MODULES**5.7.1. General**

- 5.7.1.1. Each switch-fuse combination shall be a three phase unit that complies with the requirements of SANS 62271-105 and SANS 1874.
- 5.7.1.2. Where fuse links are housed in a free breathing enclosure there shall be a minimum specific creepage of 25 mm/kV for any creepage paths between live terminals and earthed metal work.
- 5.7.1.3. The switch-fuse combination shall be capable of supplying a transformer of 1 600 kVA rating.

5.7.2. Fuse-Links

- 5.7.2.1. Fuse links utilised with the ring main units and compact switchgear shall be 12 kV current-limiting HRC striker pin fuses complying with SANS 60282-1 Type I.
- 5.7.2.2. Fuse-link enclosures shall comply with the requirements of SANS 1874.
- 5.7.2.3. Full details of recommended fuse types shall be provided with the tender, including all full technical characteristics and tolerances for striker pin energy class and travel.
- 5.7.2.4. The preferred fuse-links for switch-fuse combination modules shall be DIN type fuses of length 442 mm.
- 5.7.2.5. The fuse-links will be supplied by others.

5.7.3. Fuse Compartment Interlocks

- 5.7.3.1. Mechanical interlocks preventing access to the fuse compartment and interlocks on the operating mechanism of the switch fuse combination tee-off shall comply with the requirements of SANS 1874.

5.7.4. Operating Mechanism

- 5.7.4.1. The operating mechanism of the switch-fuse combinations shall provide independent manual closing and stored energy tripping.

5.8. CIRCUIT BREAKER MODULES**5.8.1. General**

- 5.8.1.1. Circuit breakers shall be three pole devices complying with the requirements of SANS 62271-100 and SANS 1874.
- 5.8.1.2. Circuit breakers shall be Class C2 E2 M1 in accordance with SANS 62271-100.
- 5.8.1.3. The rated operating sequence of the circuit breakers shall be O - t - CO - t - CO where t equals 3 minutes, in accordance with SANS 62271-100.
- 5.8.1.4. The first-pole-to-clear factor shall be 1,5 in accordance with SANS 62271-100.

5.8.2. Operation

- 5.8.2.1. The operating mechanism of the circuit breakers shall provide independent manual closing and stored energy tripping.
- 5.8.2.2. Circuit breakers shall have a trip-free mechanical switching mechanism.

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5.8.3. Protection

- 5.8.3.1. The circuit breaker modules shall each be fitted with the standard self powered protection relay, installed and wired complete for service, as specified in 4.7.4 below.
- 5.8.3.2. The circuit breaker modules shall each be fitted with ring core current transformers rated for the protective relay offered, or alternatively shall be fitted with current sensors incorporated within the type C cable bushings and suitable for the protective relay offered.

5.8.4. Protection Relay (Standard)

- 5.8.4.1. The protection relays shall provide both over-current and earth fault functions with definite time, normal inverse time, very inverse time and extremely inverse time protection characteristics in accordance with IEC 60255-151.
- 5.8.4.2. Protection relays shall be housed within the standard fascia of the ring main units or compact switchgear and shall not require a separate relay compartment.
- 5.8.4.3. The protection relay installation on the ring main unit or compact switchgear fascia shall have a minimum IP rating of IP54 and shall be fully protected against the effects of rain during switching operations. Relays that do not have a minimum intrinsic IP54 rating shall be provided with a gasketted removable transparent cover and / or housing and any other measures necessary to raise the IP rating as specified and provide appropriate weather protection.
- 5.8.4.4. Protection relays shall be fitted with clearly visible indicators identifying when a relay initiated circuit breaker trip has commenced timing or has occurred, and identifying the specific cause of the trip.
- 5.8.4.5. Protection operation indicators shall continue to indicate for a minimum of 12 hours after closing of the trip contacts, and shall be manually resettable without the need to re-energise the ring main unit on load.
- 5.8.4.6. Protective relays fitted with an HMI for fault indication shall have battery back-up to maintain indication and functionality while the ring main unit is de-energised or the circuit breaker open.
- 5.8.4.7. Protection relay back-up batteries shall be maintenance free, shall have a minimum service life of 10 years, shall be easily replaceable by the user, and shall be of a standard commercially available type. Proprietary battery types unique to the relay type or manufacturer shall not be acceptable.
- 5.8.4.8. The over-current pick-up setting range for relays utilising current transformers shall be selectable from 20% to a minimum of 100% of the nominal relay rating in steps of not greater than 10%.
- 5.8.4.9. The over-current pick-up setting range for relays utilising current sensors shall be selectable from 10 A to 200 A (primary) in steps of not greater than 10 A. The full selection shall preferably be available in a single range, but failing that, in a maximum of two separate ranges which are either hard-wired or selectable on the relay's fascia.
- 5.8.4.10. The earth fault pick-up setting range for relays utilising current transformers shall be selectable from 10% to a minimum of 100% of the nominal relay rating in steps of not greater than 5%.
- 5.8.4.11. The earth fault pick-up setting range for relays utilising current sensors shall be selectable from 5 A to a minimum of 100 A (primary) in steps of not greater than 10 A. The full selection shall preferably be available in a single range, but failing that, in a maximum of two separate ranges which are either hard-wired or selectable on the relay's fascia.

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- 5.8.4.12. The protection relay IDMTL over-current and earth fault characteristics shall have a minimum operating time setting of 0,1 s or better and steps of 0,1 s or better (at 10x relay setting on the normal inverse characteristic).
- 5.8.4.13. The protection relay Definite Time over-current and earth fault characteristics shall have time delay settings selectable from instantaneous to at least 1 s in steps of 0,1 s or better.

5.8.5. Protection Relay (Alternative)

- 5.8.5.1. Tenderers shall provide a price where detailed in the Pricing Schedule for an alternative protection relay as specified below.
- 5.8.5.2. The tender price for the alternative protection relay shall be based upon the relay being factory fitted in place of the standard protection relay provided for in the tender price for each item, and as such shall reflect the price differential between the standard protection relay (supplied and installed, complete) and the alternative protection relay (supplied and installed, complete).
- 5.8.5.3. The alternative protection relay shall be self powered and shall be specified as detailed for the standard protection relay above, with the following exceptions:
- 5.8.5.3.1. The relay shall be fitted with a battery powered HMI.
 - 5.8.5.3.2. The HMI shall provide a digital display with a detailed event recording and fault history buffer. This shall record a minimum of two fault events or disturbances.
 - 5.8.5.3.3. The relay shall provide load current indication per phase.
 - 5.8.5.3.4. The relay shall provide separate protection operation indication for each phase and for earth faults.
 - 5.8.5.3.5. The relay shall be housed within the standard fascia of the ring main units or compact switchgear and shall not require a separate relay compartment

5.8.6. Protection Current Transformers / Sensors

- 5.8.6.1. Current transformers shall comply with the requirements of SANS 60044-1.
- 5.8.6.2. Current transformers shall preferably be of ratio 200/1 A and of class 10P10 with a rated burden of 2,5 VA. This notwithstanding, CTs shall be of design and rating suitable for the protective relay offered and appropriate for the circuit breaker module rating.
- 5.8.6.3. Full details of the protection relay and current transformers or current sensors shall be provided with the tender.

5.8.7. Protection Wiring and Testing Facilities

- 5.8.7.1. All wiring to the protection relay (e.g. From CTs) shall be terminated onto a terminal block situated in the circuit breaker module of the ring main unit.
- 5.8.7.2. The terminal block shall be easily accessible from the front of the ring main unit, without the need to operate the ring main unit in order to gain access.
- 5.8.7.3. The protection relay shall be provided with a dry (potential-free) trip output contact for relay testing purposes which shall be wired to the terminal block.

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5.9. METERING MODULES

5.9.1. General

- 5.9.1.1. The metering module shall comprise an air insulated metering cubicle fitted with busbars, busbar extension bushings, metering current transformers, metering voltage transformers, fuses and LV equipment as specified, and designed for assembly into an MV compact switchgear switchboard.
- 5.9.1.2. The metering module shall be rated as specified for the compact extensible switchgear modules.
- 5.9.1.3. The metering module shall have an internal arc classification as specified for the compact switchgear for indoor installation.
- 5.9.1.4. The metering module shall be fitted with an LV compartment equipped with such terminal blocks, test blocks, LV fuses and links, phase indicators and other fittings as are required.
- 5.9.1.5. The metering module shall be fitted with suitable facilities for termination of multi-core cabling for connection to a remote metering cubicle, either directly into the LV compartment or into an approved multi-core cable termination box. Cable access to the LV compartment or termination box shall be from the main cable trench via a suitable multi-core wire-way and gland-plate separate from the MV compartment, to approval, or shall be via a glanded termination from above.
- 5.9.1.6. The metering module metering compartment door shall be fitted with approved interlocks to prevent the opening of the door while the compartment is live.
- 5.9.1.7. The metering compartment shall be designed to facilitate the easy removal and replacement of one or more of the CTs or VTs without the need to remove adjacent CTs or VTs. The replacement of a CT or VT shall not require adjacent chambers of the same panel to be disturbed.

5.9.2. Meters

- 5.9.2.1. The meters to be utilised for metering shall be of the electronic type, class 0.5 accuracy class, on real power and compliant with the Overstrand Municipality's metering code for billing meters and plug ancillary devices.

Meters will be provided and mounted in separate remote cubicle by others.

5.9.3. Metering Current Transformers

- 5.9.3.1. The metering module shall be fitted with dual ratio metering current transformers for each phase.
- 5.9.3.2. The CTs shall comply with the requirements of SANS 60044-1.
- 5.9.3.3. The CTs shall be dual ratio 100/50/5 A.
- 5.9.3.4. The CTs shall be rated for a burden of 10 VA on each ratio.
- 5.9.3.5. The CT accuracy class on each ratio shall be Class 0,5.
- 5.9.3.6. The CTs shall have a rated short-time thermal current (I_{th}) equal to the rated short time withstand rms current for the assembled metering unit.
- 5.9.3.7. The CT star point shall be earthed via a solid link situated in the LV compartment of the metering unit.
- 5.9.3.8. The CT secondary terminals shall be wired to an approved test block with integral shorting facilities in the LV compartment which shall be easily accessible for the purpose of setting the CT ratios to full or half.
- 5.9.3.9. A set of wiring schematics (engraved on metal) must be installed LV compartment for ease of showing the details of the CT, wiring connections and specifications.

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5.9.4. Metering Voltage Transformers

- 5.9.4.1. Voltage transformers shall comply with the requirements of SANS 60044-2.
- 5.9.4.2. The voltage transformers shall be three phase unearthed voltage transformers (UVTs) with the primary star point fully insulated, or shall be single phase VTs.
- 5.9.4.3. The VTs shall have a standard ratio of 11 000/110 V (3 phase UVTs) or 11000/ $\sqrt{3}$ / 110/ $\sqrt{3}$ (single phase EVT).
- 5.9.4.4. The VTs shall be rated for a burden of 25 VA per phase.
- 5.9.4.5. The VTs shall be of Class 0.5, but shall have this accuracy maintained over an extended range from 0% to 100% of rated burden.
- 5.9.4.6. The VTs shall be discharge free and shall have a minimum voltage factor of 1,2 continuous and 1,9 for 30 s.
- 5.9.4.7. The VTs shall have a short circuit withstand capability in accordance with SANS 60044-2.
- 5.9.4.8. Particular attention shall be given to ensuring that saturation or undamped Ferro-resonant oscillations do not occur during all foreseeable system conditions, and where required to fulfil this requirement tertiary (or residual) windings shall be provided and connected as an open delta winding with suitable protective circuitry. Such circuitry shall also make provision for VT earth fault conditions.
- 5.9.4.9. The VTs shall be fitted with fuses on both the HV and LV sides.
- 5.9.4.10. The fuses on the MV side shall be fitted on each phase and shall be easily accessible when the metering compartment door is open.
- 5.9.4.11. The red and blue phases of the VTs shall be fitted with fuses on the LV side. The white phase of the VT shall be fitted with a solid link on the LV side and shall be earthed on the VT side of the solid link, for the default 3-ph 3-w system configuration.
- 5.9.4.12. The LV fuses, solid link, earth connection and LV star point termination shall be situated in the LV compartment of the metering module. The LV star point connection shall not be earthed.
- 5.9.4.13. The secondary circuits of the voltage transformers shall be brought out to an approved test block without integral shorting facilities.
- 5.9.4.14. The voltage transformer secondary circuits shall be complete with one end terminated to the star point.
- 5.9.4.15. In the event that the voltage transformers offered have an output greater than that specified, they shall have an accuracy class at least equal to that specified over the full output range.
- 5.9.4.16. Voltage transformers shall be guaranteed for a period of no less than 1 year.

5.9.5. Low Voltage Compartment

- 5.9.5.1. The metering unit shall be fitted with a low voltage compartment equipped with such terminal blocks, test blocks, LV fuses and links, phase indicators and other fittings as are required.
- 5.9.5.2. The LV compartment shall be fitted with a hinged door which shall be provided with an approved locking mechanism with padlock facilities (shackle diameter 10 mm).
- 5.9.5.3. The door shall be earthed to the LV compartment wall adjacent to the hinge by means of an approved earth strap, and shall be fitted with a separate mechanism to prevent the over swing of the door when opening and to secure the door in an open position.

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- 5.9.5.4. Where LV multi-core cabling will be terminated directly into the LV compartment the LV compartment shall be fitted with an undrilled gland plate suitable for terminating a PVC insulated, armoured, 12 core 2,5 mm², multi-core cable.
- 5.9.5.5. Terminal blocks and test blocks fitted in the LV compartment shall be of the Crompton Parkinson type, or equivalent to the Engineers approval.
- 5.9.5.6. The LV compartment shall be fitted with neon indication lamps for VT Live indication.
- 5.9.5.7. The secondary wiring layout within the LV compartment shall be suitable for both a 3-ph 3-w system and a 3-ph 4-w system configuration, in accordance with Drawing No SK 5178 Sheet 3 (Attached). The default configuration shall be for a 3-ph 3-w system.
- 5.9.5.8. All secondary wiring shall be colour-coded and shall be brought out, via fuses where applicable, to the metering test block situated in the LV compartment of the metering unit.
- 5.9.5.9. All CT and VT secondary side earth connections shall be made within the LV compartment as detailed on drawing SK 5178 Sheet 3, and not within the metering compartment.
- 5.9.5.10. All secondary wiring shall be of 2,5 mm² PVC copper wire.
- 5.9.5.11. The LV compartment shall be provided with an MV and LV wiring and connection schematic diagram which shall be affixed to the inside of the compartment door.

5.9.6. Busbars

5.9.6.1. General

- 5.9.6.1.1. The busbars for ring main units shall be entirely incorporated within the gas-insulated switch compartment, and shall be non-extensible.
- 5.9.6.1.2. The busbars for single and dual module compact switchgear shall be extensible at both sides of the module.
- 5.9.6.1.3. Busbar extension shall be achieved through the use of busbar coupler inserts, or through the use of external busbars.
- 5.9.6.1.4. Busbar connections, whether by busbar couplers or external busbars, shall be fully sealed to preclude ingress of moisture and shall be maintenance free for the service life of the switchgear.
- 5.9.6.1.5. Full design and installation details for the busbar connections shall be provided with the tender documentation.

5.9.6.2. Busbar Couplers

- 5.9.6.2.1. Busbar couplers shall be fully insulated, screened and stress controlled.
- 5.9.6.2.2. Busbar couplers shall be designed and tested to provide a tight dielectric seal and to fully preclude the possibility of air voids and partial discharges once assembled.
- 5.9.6.2.3. The busbar coupler design shall provide for variations in distance and alignment between adjacent panels, and shall be suitable for user installation.

5.9.6.3. Busbar Blanking Plugs

- 5.9.6.3.1. Busbar blanking plugs and metal blanking cover plates shall be provided for sealing busbars at the switchboard end.
- 5.9.6.3.2. Busbar blanking plugs shall be fully insulated and stress controlled.

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5.9.6.3.3. Busbar blanking plugs shall be designed and tested to provide a tight dielectric seal and to fully preclude the possibility of air voids and partial discharges once assembled.

5.9.6.3.4. Busbar blanking plugs shall preclude ingress of moisture and shall be maintenance free for the service life of the switchgear.

5.9.6.4. External Busbars

5.9.6.4.1. External busbars shall be fully insulated, screened and stress controlled.

5.9.6.4.2. Bushings on compact switchgear for connection to external busbars shall be Type C bushings complying fully with the requirements for MV cable bushings specified below.

5.9.6.4.3. External busbars shall be provided with provided with blanking plugs for sealing the busbars at the switchboard end. Such blanking plugs shall be firmly and securely fitted in place and shall comply with the specific requirements stated in section 4.8.3 above.

5.9.6.4.4. The compact switchgear shall be provided with protective covers to shroud the external busbars on all sides.

5.10. CABLE TERMINATION ENCLOSURES, TERMINATIONS AND BUSHINGS

5.10.1. Cable Termination Enclosures and Terminations

5.10.1.1. The ring main units shall be fitted with air filled cable termination enclosures complying with NRS 012.

5.10.1.2. The cable termination enclosures shall be suitable for termination of three core impregnated paper insulated 11 kV cables of up to 120 mm² with dry type cable terminations complying with NRS 053 (95 kV BIL). All 12 kV cables will be provided, installed and terminated by others.

5.10.1.3. The cable termination enclosures shall be suitable for Type 2 shrouded and Type 3 unscreened separable connector terminations in accordance with NRS 012.

5.10.1.4. The height of the cable termination enclosures for switch disconnecter and switch-fuse combination tee-off modules shall be a minimum of 650 mm, measured from the centre line of the cable bushings to the gland plate or cable support clamp, in accordance with NRS 012.

5.10.1.5. Cable termination enclosures with cable bushings at staggered heights will not be accepted.

5.10.1.6. Where ring core current transformers are required for the circuit breaker tee-off modules, the height of the cable termination enclosures shall be a minimum of 800 mm, measured from the centre line of the cable bushings to the gland plate or cable support clamp, in accordance with NRS 012.

5.10.1.7. Where a pedestal or raising base is required in order to achieve the dimensions indicated in 4.10.1.4 & 5 above, this pedestal or raising base shall comply fully with the requirements of this specification.

5.10.1.8. Any ring core current transformers required for the circuit breaker tee-off modules shall be fitted within the enclosure in such a way that they can be easily removed while the cable termination is in progress and easily re-fitted when the cable termination is being mounted in place within the enclosure.

5.10.1.9. The current transformers shall be mounted such that they are positioned over the screened portion of the three core 11 kV PILC cable termination, but provide sufficient clearance for core crossings below the current transformers.

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5.10.1.10. The cable termination enclosures shall be fitted with internal arc rated removable covers in accordance with the internal arc classification of the ring main unit.

5.10.1.11. Any breathing and/or drain vents in the cable termination enclosures necessary to prevent condensation or facilitate draining shall be suitably vermin proofed.

5.10.2. Cable Clamping and Gland Plate

5.10.2.1. Each cable termination enclosure shall be provided with a cable support clamp suitable for clamping of 35 mm² - 120 mm² PILC DSTA cable, and complying with the requirements of NRS 012.

5.10.2.2. The cable clamp shall be positioned in the cable termination enclosure or in the pedestal or raising base, as required in order to comply with the specified height, and shall be so designed that the cable is firmly secured but that no stress due to bending is placed on the cable when terminated. Any other arrangements for securing of the cables shall be subject to the Engineer's approval.

5.10.2.3. The cable termination enclosure or the pedestal or raising base (where present) on ring main units and compact switchgear for indoor installation shall be provided with a steel gland plate in accordance with the requirements of SANS 1874 which shall be designed and tested to withstand the pressure rise associated with an internal arc fault and to cause the arc energy to be directed through the pressure relief facilities provided. Such gland plate shall prevent the purging of overpressure and arc flash associated with an arcing fault into the cable trench.

5.10.2.4. The gland plate shall be suitable for assembly around the cable after making-off of the cable termination and shall not require disassembly or removal of the front side of the cable termination compartment or raising base. The gland plate shall provided with a rubber grommet to ensure a tight seal between the gland plate and cable.

5.10.2.5. Alternative gland plate and cable seal designs shall be to the Engineer's approval.

5.10.3. Cable Bushings

5.10.3.1. Cable bushings on all modules shall be Type C bushings complying with EN 50181.

5.10.3.2. The bushings shall have an M16 x 2 thread and be suitable for the use of un-screened separable connectors. The USC in use at the time of preparation of this specification was the Raychem RICS 5123.

5.10.3.3. The bushings shall be fitted with M12 stainless steel reducing stems and M12 nut, washer and spring washers.

5.10.3.4. The bushings shall be manufactured and tested in accordance with SANS 60137. In addition to the voltage test specified in SANS 60137 the bushings shall be partial discharge tested in accordance with the requirements of SANS 60270. The magnitude of the discharge shall not be greater than 5 pC.

5.10.3.5. The surface of the bushings shall be smooth and free from blemishes and patches or fillings.

5.10.3.6. The bushings shall be made from insulating material to the approval of the Engineer. Dough moulded compound cable bushings are not acceptable.

5.10.4. Pedestal or Raising Base (for Indoor Ring Main Units and Compact Switchgear)

5.10.4.1. Where a pedestal or raising base is required in order to achieve the specified cable box dimensions or to allow adequate bending radii for the MV cables on indoor ring main units and compact switchgear, this pedestal or raising base shall be supplied as a fully assembled part of the ring main unit.

5.10.4.2. The pedestal or raising base dimensions shall comply with the ring main unit or compact switchgear footprint dimensions.

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- 5.10.4.3. The pedestal or raising base shall be rigid, robust and completely self-supporting.
- 5.10.4.4. The ring main unit and compact switchgear shall comply fully with the internal arc classification requirements of this specification with the pedestal or raising base fitted, and shall have been successfully type tested accordingly.
- 5.10.4.5. Provision shall be made for bolting of the pedestal or raising base to a concrete floor as necessary in order to provide for a safe installation and to comply with the ring main unit internal arc classification.
- 5.10.4.6. Flanges that are provided for the fitting of holding-down set screws shall be of a minimum of 5 mm thick steel or alternatively be reinforced to prevent bending during transportation, handling and installation.

5.10.5. Earth Fault Indication Equipment

- 5.10.5.1. One set of approved earth fault indication equipment comprising a split core current transformer and a self powered control and indicating unit shall be provided with each ring main unit.
- 5.10.5.2. The control and indicating unit shall provide for manual resetting, with an automatic self resetting facility with selectable time delay.
- 5.10.5.3. The sensitivity of this equipment shall be such that a current imbalance less than 50 A but not less than 25 A will operate the relay.
- 5.10.5.4. Only equipment proven on 12 kV systems will be considered. Full details of the earth fault indication equipment offered are to be submitted with the tender.
- 5.10.5.5. The control and indicating unit shall be mounted on the ring main unit such that it is clearly visible and accessible to the operator from the operating side (i.e. front) of the ring main unit (with the enclosure doors open in the case of ring main units for outdoor installation).
- 5.10.5.6. The earth fault indicator current sensor shall be wired to and temporarily secured onto the cable support clamp fitted in the left hand side switch disconnector cable termination enclosure (when viewed from the front of the ring main unit).
- 5.10.5.7. All wiring between the control and indicating unit and the current sensor shall be routed behind the front fascia of the ring main unit.
- 5.10.5.8. For ring main units for outdoor installation, the earth fault indication equipment shall in addition be supplied with a remote indicator which shall be mounted on the outside of the enclosure in such a manner that it can be clearly viewed from the front of the enclosure (street side) without having to open the enclosure. The remote indicator shall be visible during daylight and protected against vandalism by means of a steel tube fitted around the indicator and welded onto the enclosure.
- 5.10.5.9. The control unit and remote indicator shall not be mounted onto any removable sections of the enclosure and no wiring shall pass through these sections. If the remote indicator is mounted on the enclosure door it shall be situated as close as possible to the hinge side.

5.10.6. Phase Comparators

- 5.10.6.1. Phase comparators for electrical phasing-out on the VDS cable live indication system on switchgear supplied in accordance with this contract shall be Universal Phase Comparators complying fully with the requirements of SANS 61243-5.
- 5.10.6.2. Phase comparators shall provide clear and unambiguous indication of voltage-in-phase and voltage-out-of-phase via separate LED indicators (coloured green and red, respectively), and shall be fitted with push button operation, low battery indication and functionality self-test.

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- 5.10.6.3. Phase comparators shall be provided with phasing leads long enough to permit the phasing out across a minimum of four panels.
- 5.10.6.4. The phase comparators, leads and ancillary equipment shall be housed in a suitable rigid case, to approval.

5.11. WEATHERPROOF KIOSK

5.11.1. General

- 5.11.1.1. Ring main units for outdoor installation shall be supplied assembled within an internal arc rated weatherproof kiosk complying with the requirements for enclosures detailed in SANS 62271-202, and manufactured from 3CR12 corrosion resistant steel.
- 5.11.1.2. Notwithstanding the internal arc classification requirements, provision shall be made for the minimisation of the possibility of condensation by means of appropriate drainage and ventilation holes or other appropriate means. Any such ventilation facilities shall be positioned so as to comply with the specified Degree of Protection.
- 5.11.1.3. Any breathing and/or venting facilities in the kiosk shall be suitably vermin proofed.
- 5.11.1.4. The kiosk roof, doors and compartments shall be so designed to preclude the possibility of pooling or retention of water.
- 5.11.1.5. The weatherproof kiosk material (i.e. 3CR12) shall be clearly identified by means of a metal label affixed in a permanent fashion to the door adjacent to the steel documentation pocket.

5.11.2. Doors

- 5.11.2.1. The kiosk access doors shall be secured with a three point locking mechanism (Barker Nelson 25 Series or similar, to approval) suitable for padlocking with a padlock of 10 mm shackle diameter. Padlocks will be supplied by others.
- 5.11.2.2. In addition, the kiosk doors shall be fitted with a stainless steel Allen key bolt type locking system using a 10 mm Allen key bolt. The Allen key locking system shall obstruct the Barker Nelson locking mechanism from operating in the fully screwed in position. The Allen screw head shall be flush with the door when screwed in.
- 5.11.2.3. Doors hinges shall be manufactured from brass or stainless steel. Hinged doors shall exert uniform pressure at all points on the gasket when the door is closed to ensure proper closing and to prevent the penetration of water and vermin.
- 5.11.2.4. The kiosk doors shall be fitted with a latch facility to prevent the over swing of the doors when opening and to secure the door safely in an open position at a minimum of 90°.
- 5.11.2.5. A steel documentation pocket shall be provided on the inside of the kiosk door for the safekeeping of relevant documents. The means of securing the pocket (eg pop rivets) shall not protrude through the door.

5.11.3. Electrical Bonding

- 5.11.3.1. The kiosk doors, and if applicable, all steel enclosure sections, shall be electrically bonded to the main steel enclosure by means of a tinned copper braid bonding conductor of minimum cross-sectional area 4 mm².
- 5.11.3.2. The main steel enclosure shall be electrically bonded to the ring main unit earth bar by means of copper bonding conductor (i.e. tinned copper braid or PVC-insulated stranded copper cable) of minimum cross-sectional area 70 mm².

5.11.4. Lifting and Mounting

- 5.11.4.1. Suitable lifting eyes designed to lift the kiosk with the ring main unit installed within shall be provided on the kiosk. The lifting eyes shall have a minimum diameter of 30 mm.

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- 5.11.4.2. The kiosk and position of the ring main unit within the kiosk shall be suitable for mounting on concrete plinths. Detailed requirements and dimensions for the concrete plinth design shall be provided by the Tenderer with the Tender documentation.
- 5.11.4.3. Flanges that are provided for the fitting of holding-down set screws shall be of a minimum of 5 mm thick steel or alternatively be reinforced to prevent bending during transportation, handling and installation.

5.11.5. Painting and Protection Against Corrosion

- 5.11.5.1. Painting and corrosion protection of interior and exterior surfaces of the weather-proof kiosk shall comply with the requirements of SANS 780. The following additional requirements are to be complied with for exterior surfaces.
- 5.11.5.2. 3CR12 steel shall be abrasive blasted and then passivated prior to painting.
- 5.11.5.3. The 3CR12 components shall be painted with an approved and appropriate primer and with two coats of an approved polyurethane based heat fused epoxy powder coating of Colour C12 (Avocado) to SANS 1091 in accordance with the requirements of SANS 780.
- 5.11.5.4. Suitable steps shall have been taken to ensure a satisfactory bond between the protected surfaces and the paint to prevent peeling.
- 5.11.5.5. The thickness of the paint including the primer shall not be less than 50µm.
- 5.11.5.6. Alternative corrosion protection systems may be considered. Manufacturers shall submit their proposed corrosion protection specifications to the Engineer for approval.
- 5.11.5.7. All external nuts and bolts shall be manufactured from stainless steel. Care shall be taken to ensure that nuts and bolts are not over tightened such that the threads are damaged and the nuts and bolts cannot be loosened and/or retightened.

5.12. PACKING

- 5.12.1. The Contractor shall make his own arrangements for the delivery of the plant to the Employer's Electricity Stores or to site and shall provide all labour, plant and material necessary for the unloading.
- 5.12.2. The Contractor shall be responsible for the packing, loading, transporting and off-loading of the plant from the place of manufacture, whether this is at his own works or those of any supplier, to the Employer's Electricity Stores.
- 5.12.3. The method of packing shall provide adequate protection to the equipment contained within and attached without, for transportation. The method of packing and precautions to be taken during transport shall be clearly marked on the appropriate drawings.
- 5.12.4. Where appropriate all parts shall be boxed in substantial crates or containers to facilitate handling in a safe and secure manner. Each crate or container shall be marked clearly on the outside of the case to show where the mass is bearing and the correct position for the slings. Each crate or container shall also be marked with the notation of the part or parts contained therein, contract number and port of destination, and shall become the property of the Employer after delivery.

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- 5.12.5. Loose parts and accessories forming part of each ring main unit and compact switchgear panel or necessary for the assembly of such switchgear shall be dispatched and delivered with such switch panels. Payment will not be authorised per ring main unit or compact switchgear panel until all relevant loose parts and accessories have been delivered. Such loose parts shall be crated or packaged such that all parts and fasteners necessary for each assembly are contained in a single container. The container shall be marked with the container number and a complete bill of materials and components contained therein, together with the relevant part numbers and reference to the drawing number detailing assembly of such parts. The packing list and drawings shall be dispatched to the Engineer giving full and clear details of the contents of the case. Any special storage/handling requirements, shelf life limitations etc shall be clearly indicated.
- 5.12.6. Transit/storage bushing protection covers shall be fixed to the equipment to prevent damage to bushings.
- 5.12.7. Any damage due to defective or insufficient packing shall be made good by the Contractor at his own expense and within reasonable time when called upon by the Employer to do so. An electronic copy of the complete packing lists showing the number, size, marks, mass and contents of each package shall be provided to the Engineer immediately after the material is dispatched.
- 5.12.8. The Contractor shall inform himself fully as to all relevant transport facilities and requirements and loading gauges and ensure that the equipment as packed for transport complies with the South African highway regulations and/or conforms to the limitations of the transport facilities of Transnet Ltd. The Contractor shall also be responsible for verifying the adequacy of any cranes required for off-loading at the port of entry, at the Council's Stores and Site.
- 5.12.9. The Contractor shall take reasonable steps to prevent damage to any highways or bridges by his traffic and shall select routes, choose and use vehicles and restrict and distribute loads so that the risk of damage shall be limited as far as is reasonably possible. The Contractor shall immediately report to the Engineer any claims made against him arising out of alleged damage to a highway or bridge.
- 5.12.10. Access to the Stores is by road only.

5.13. TRAINING

- 5.13.1. Training shall be provided in the Overstrand Municipality region to enable the Employer's staff to install and maintain the equipment offered. The training shall take the form of separate sessions for hardware and maintenance training and for operator training.
- 5.13.2. The Hardware and Maintenance Training course for the switchgear shall include, but not be limited to, the following:
- 5.13.2.1. Theory of operation
 - 5.13.2.2. Installation and commissioning
 - 5.13.2.3. Preventative maintenance
 - 5.13.2.4. Maintenance manual review
 - 5.13.2.5. Interlocks and Safety Features
 - 5.13.2.6. Testing, troubleshooting and configuration
 - 5.13.2.7. Repairs
 - 5.13.2.8. Practical Demonstration
- 5.13.3. The Operator training for the switchgear shall include, but not be limited to, the following:
- 5.13.3.1. Theory of operation
 - 5.13.3.2. Detailed overview of Equipment
 - 5.13.3.3. Interlocks and Safety Features

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5.13.3.4. Practical Demonstration

- 5.13.4. The training details submitted with the Tender shall include a description of the contents and duration of each course and prerequisites, if any, required of course participants. The outlines shall be in sufficient detail to evaluate the course material.
- 5.13.5. Any special tools shall be identified and if not included shall be quoted for separately.
- 5.13.6. The principal instructors shall have proven prior experience in conducting the specified training. The instructors shall have a complete and thorough knowledge of the equipment and course materials.
- 5.13.7. Each course participant shall receive a copy of the training manuals and other pertinent materials with all changes and revisions to manuals and other documentation used during the training courses.
- 5.13.8. All training will be undertaken at Employer's premises.
- 5.13.9. Each course module shall be given to classes of nominal size of 15 individuals, although a maximum class size of 20 individuals should be accommodated if operation requirements dictate. The initial training is intended for a nominal quantity of 75 staff members per training module, (i.e. 5 repeats of each training module).
- 5.13.10. On completion of the training each candidate shall be provided with certification of attendance of the course, with copies of the certification being provided to the Employer.
- 5.13.11. The price for each course shall include all preparation, travelling, accommodations and incidental costs including all course materials.

5.14. DRAWINGS AND INFORMATION

5.14.1. Drawings

- 5.14.1.1. Tenderers shall submit with their tenders the following drawings:
 - 5.14.1.1.1. Fully dimensioned drawings indicating the general arrangement of the ring main units, compact switchgear (complete with any necessary pedestals or raising bases) and weatherproof kiosks.
 - 5.14.1.1.2. Fully dimensioned arrangement drawing for each ring main unit and compact switchgear configuration showing cable boxes, cable clamping, cable termination arrangements and clearances between bushings and from bushing centres to earth.
 - 5.14.1.1.3. Section drawings of each ring main unit and compact switchgear type showing general details of construction and all principal components and dimensions, including internal arc overpressure relief provisions and energy paths for each main compartment.
 - 5.14.1.1.4. Civil Engineering / Installation drawings for each ring main unit and compact switchgear type showing requirements for switch room design and equipment positioning for indoor installation, and requirements for plinth design for outdoor installation.
 - 5.14.1.1.5. Section drawings for busbar couplers and / or external busbars showing expanded view and installed view including provisions for voltage stress relief.
 - 5.14.1.1.6. Full electrical schematic diagrams including details of electrical interlocks and protection schematics shall be submitted by the successful Tenderer for formal approval before manufacture of the equipment is commenced.

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5.14.2. Instruction Books

Copies, in English, of operating and maintenance instructions covering each type of equipment provided shall be supplied by the Contractor before delivery, and these shall include full detailed drawings. A copy shall also be provided on CD ROM in Portable Document Format (pdf). These shall include a comprehensive spare parts catalogue.

5.15. PARTICULARS

- 5.15.1. Tenderers shall submit with their tenders full particulars of the equipment offered and shall complete the Schedules attached hereto.
- 5.15.2. No tender will be considered unless sufficient technical data, diagrams, drawings and relevant information are submitted to enable the characteristics and merits of the equipment offered to be ascertained, including the design provisions to ensure that the units are fully weatherproof.
- 5.15.3. All apparatus should comply with this Specification. Any departures from the requirements of this Specification or non-compliance shall be stated by the Tenderer clause-by-clause in the schedules and may be accepted at the Engineer's discretion. Undisclosed non-compliance with requirements of the Specification by the successful Tenderer shall result in the Tenderer being bound to the requirements of the Specification.
- 5.15.4. No departure shall be implemented without the prior approval of the Engineer.
- 5.15.5. The Contractor shall be responsible for any discrepancies, errors or omissions in the particulars and guarantees, whether or not such particulars and guarantees have been approved by the Engineer.
- 5.15.6. Tenderers shall also submit information regarding the manufacturing facilities that will be utilized for the construction of the tendered items and the location thereof, as well as full details of the location and capabilities of their service / repair facility situated closest to the City of Cape Town. Any changes shall be made with the written agreement of the Engineer and the Contractor shall ensure that the manufacturers and places of manufacture are acceptable to the Engineer.
- 5.15.7. Information should also be submitted detailing the quantity of similar ring main units and compact switchgear manufactured and supplied by the Tenderer and in service in South Africa, as well as the details of existing users of the equipment tendered.
- 5.15.8. All details given in this Specification and the drawings forming part of it have been carefully compiled but the onus is on the Tenderer to satisfy himself truly as to the accuracy thereof.

5.16. TESTS AND INSPECTIONS**5.16.1. Inspections**

- 5.16.1.1. During manufacture and prior to despatch the ring main units, compact switchgear, pedestals or raising bases and weatherproof kiosks may be inspected by the Engineer or his duly appointed representative who will call for such tests as he may consider necessary. To this end, the Engineer or his representative shall, during normal working hours, be given all reasonable access and facilities for the carrying out of his duties and shall have the right of entry into the factory of the manufacturer and the factory of any sub-contractor to the manufacturer, where work in accordance with this specification may be in progress.
- 5.16.1.2. Before the despatch of any ring main unit or weatherproof kiosk from the factory of manufacture it shall have been inspected by the Engineer or his duly appointed representative and an Acceptance Certificate shall have been issued. The manufacturer shall notify the Engineer at least one week in advance of the proposed dates for final inspections, and units shall be fully completed prior to the day of the final inspection.

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5.16.2. Type Tests

- 5.16.2.1. The equipment offered shall comprise the manufacturer's standard equipment, the reliability of which has been thoroughly proven in service. The ring main units, compact switchgear, protection relays and weatherproof kiosks shall have passed such type tests as are laid down in SANS 1874, SANS 62271-200, SANS 62271-202, SANS 60044-1, SANS 60044-2 and IEC 60255.
- 5.16.2.2. The Tenderer shall submit copies of the results of all type tests and certificates of rating covering the ring main units, compact switchgear, current transformers, voltage transformers and weatherproof kiosks included in his tender. These type tests shall have been carried out by an internationally recognised independent testing authority.
- 5.16.2.3. The tests shall be of ring main units and compact switchgear complete with any pedestals, raising bases, weatherproof kiosks or other equipment necessary to comply with the requirements of this specification.
- 5.16.2.4. Only identical units to those successfully type tested will be acceptable. Non-applicable type test certificates should not be submitted. Tenderers shall submit copies of complete detailed drawings of internal connections and facilities as type tested.

5.16.3. Routine Tests

- 5.16.3.1. Routine tests as specified in SANS 1874 and SANS 62271-200, SANS 60044-1, SANS 60044-2, IEC 60255 and other applicable standards shall be carried out on all ring main units, compact switchgear, protection relays, current transformers, voltage transformers and other equipment prior to dispatch, and shall be witnessed by the Engineer or his duly appointed representative unless specifically waived by the Engineer.
- 5.16.3.2. Such tests shall include routine partial discharge testing on MV bushings, current transformers and voltage transformers.
- 5.16.3.3. In addition to the requirements specified above, the following routine tests should be carried out by the manufacturer on the protection equipment before unit dispatch:

- 5.16.3.3.1. CT polarity, ratio and magnetisation curve tests.
- 5.16.3.3.2. OCEF Secondary injection testing of the relay at 1x (verify pick-up), 2x, 4x, 6x, 8x, 10x (verify definite setting) setting for OC and EF. Alternatively, these secondary injection tests can be replaced by primary OCEF injection tests at 1x, 2x, 4x, 6x, 8x, 10x setting for OC and EF, with the circuit breaker closed.
- 5.16.3.3.3. Verification that the OCEF relay trips the circuit breaker.
- 5.16.3.3.4. Protection relays are to be configured and tested in accordance with the generic settings below (or next closest achievable settings):

OC pickup ($I_{>}$)	125 A
OC IDMT curve	NI
OC time multiplier	0.1
OC definite setting ($I_{>>}$)	10 x $I_{>}$ (or 9.5 x $I_{>}$ if 10 x not possible)
OC definite time	100 ms (0.1 s)
EF pickup ($I_{o>}$)	37.5 A
EF IDMT curve	NI
EF time multiplier	0.1
EF definite setting ($I_{o>>}$)	10 x $I_{o>}$ (or 9.5 x $I_{o>}$ if 10 x not possible)
EF definite time	100 ms (0.1 s)

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- 5.16.3.4. Copies of the test results are to be furnished with each panel.
- 5.16.3.5. Certificates providing the full results of all tests made on the equipment shall be submitted to the Engineer by the Contractor for approval prior to or at the time of delivery of the equipment. All routine test certification shall be dated and signed by the manufacturer's test engineer. Equipment will not be formally accepted until such time as full routine test certification has been submitted and approved.

6. STREETLIGHT POLES

6.1. STEEL POLES

* **SEE ITEMS 12.2, 12.3, 12.4, 12.7 AND 12.8; PRICING SCHEDULE**

- 6.1.1. Poles to be designed in accordance with SABS 0214-1987 – Code of Practice for the "General Procedure and Loadings" to be adopted in the design of Buildings with the following variables:
- 6.1.1.1. 50 year mean return period;
- 6.1.1.2. Category 2, Class B structure;
- 6.1.1.3. Altitude: Sea level
- 6.1.2. Poles to be able to withstand a wind velocity of up to 150 kph. The total wind area of the pole to be calculated with a lantern wind area of 0.35m² in addition to the tapering projected area of the pole. All components to have a "Load factor" of greater than 1.9.
- 6.1.3. Poles to be constructed from pre-formed steel pipe of various sizes, welded together through reducers by means of continuous full strength butt welds – tubular stepped in sections.
- 6.1.4. Tubular material used to be grade 300MPa to SABS 657, with welding conforming to SABS 1200H, minimum thickness 4mm.
- 6.1.5. The poles and all ancillary items are to be hot dipped galvanised to SABS 763 specification or finished as specified.
- 6.1.6. Base Plate
- 6.1.6.1. Planted poles must be supplied with a loose base plate of at least 300 x 300 x 4mm thick, which is attached to the pole shaft by means of 2 x (at least) M10 hook bolts.
- 6.1.6.2. For surface mounted poles, the size of the base plates to vary, to suit the height of the poles and luminaire configuration.
- 6.1.7. A single cable entry 100 x 500mm wide must be provided 400mm below ground level.
- 6.1.8. The planted streetlight poles to be supplied with a ground sleeve of 600mm long, either 3mm or 5mm thick or as required.
- 6.1.9. A hinged, sealed or flush mounted door to be supplied with the poles with various door-locking methods, i.e. hexagonal nut or Allen cap screw.
- 6.1.10. Single and double outreaches to be available with various overhangs and radii. Outreaches are either detachable or fixed to the pole shaft.
- 6.1.11. All luminaire spigots are to be in accordance with SABS 1088-1978 "Luminaire Entries and Spigots" with an Ø of 76mm.

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6.2. CONCRETE*** SEE ITEM 12.5; PRICING SCHEDULE**

- 6.2.1. Cable entry – 152mm x 152 x 51 – one entry only
- 6.2.2. Switch boxes to have a wooden backboard with dimensions as detailed below and include a PVC plastic door with Allen screws:
 - 9.00m
 - 407mm x 127mm 140mm deep
 - 4.50m – 7.20m
 - 394mm x 114mm x 127mm deep
- 6.2.3. Hot dipped galvanised epoxy coated spigots, Ø 76mm
- 6.2.4. To be designed to comply with the Requirements of SABS 470 – 2003.

7. INSULATION TAPE*** SEE ITEMS 16.49 TO 16.54; PRICING SCHEDULE**

- 7.1. Vinyl electric Insulation tape with Polyvinyl chloride (PVC) backing;
- 7.2. Super strong adhesion;
- 7.3. Fade resistant;
- 7.4. Flame retardant;
- 7.5. Lead free;
- 7.6. Pressure-sensitive rubber based adhesive;
- 7.7. Compatible with solid di-electric cable insulations;
- 7.8. Compatible with rubber and synthetic splicing compounds, as well as epoxy and polyurethane resins;
- 7.9. Inhibits corrosion of electrical conductors;
- 7.10. Indoor and outdoor applications;
- 7.11. Available in black, red, white, green and yellow.
- 7.12. Excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure);
- 7.13. The combination of elastic backing and aggressive adhesive must provide moisture-tight electrical and mechanical protection with minimum bulk; and
- 7.14. Must be able to withstand low and high temperatures.

8. RUBBER TAPE*** SEE ITEMS 16.82 & 16.83; PRICING SCHEDULE**

- 8.1. Self -fusing. Once it has been applied the tape contracts to fit tightly and give maximum protection needed and will not unwind
- 8.2. Must be able to use it to Waterproof cable ends, insulate bus bars to prevent spiking, etc.
- 8.3. Must be weather resistant so it can be used outdoors
- 8.4. Di-electric strength
- 8.5. 28.KV, 1.6m long x 34mm wide x 3.2mm thick
- 8.6. Supplied in a strong plastic container

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12. MBD 3.1 – PRICING SCHEDULE (GOODS)

- NOTE:**
- All tendered prices must **EXCLUDE VAT**.
 - All **delivery costs** must be included in the bid price (for delivery as well as off-loading at the prescribed destination).
 - Document must be completed in **non-erasable black ink**.
 - **NO correction fluid / tape** may be used.
 - Should the item prices tendered be subject to escalation, full details of the applicable formulae and base indices must be submitted with the tender.
 - All cables shall be **SANS tested** and shall bear the **SANS mark**.
 - All products/material shall be **SANS approved**.
 - **Rebates on used items for recycling** must be indicated (Collection at suppliers own cost).
 - **Only the official pricing schedule will be accepted, any offers in any other form will not be considered.**

I / We _____

(full name of Bidder) the undersigned in my capacity as _____

of the firm _____

hereby offer to Overstrand Municipality to render the services as described, in accordance with the specification and conditions of contract to the entire satisfaction of the Overstrand Municipality and subject to the conditions of tender, for the amounts indicated hereunder:

A. Bid Price per Item:

PRICING SCHEDULE – PAGE 66 – 96

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
1	CABLES							
1.1	PVC insulated COPPER conductor ; PVC bedded SWA PVC sheathed; 600/1000 Volt cable to SANS 1507					Price / 100 M	Price / 100 M	Price / 100 M
1.1.1	185 mm ² x 4 core							
1.1.2	150 mm ² x 4 core							
1.1.3	120 mm ² x 4 core							
1.1.4	95 mm ² x 4 core							
1.1.5	70 mm ² x 4 core							
1.1.6	50 mm ² x 4 core							
1.1.7	35 mm ² x 4 core							
1.1.8	25 mm ² x 4 core							
1.1.9	16 mm ² x 4 core		1088					
1.1.10	10 mm ² x 4 core							
1.1.11	6 mm ² x 4 core							
1.1.12	16 mm ² x 2 core		1494					
1.1.13	16 mm ² x 2 core + 2 core Stranded Pilot							
1.1.14	10 mm ² x 2 core							
1.1.15	6 mm ² x 2 core							
1.1.16	6 mm ² x 3 core		2916					
1.1.17	4 mm ² x 2 core							
1.1.18	2,5 mm ² x 2 core							
1.1.19	1,5 mm ² x 2 core							
1.1.20	16 mm ² x 4 core + 2 core Stranded Pilot							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
1.2	PVC insulated ALUMINIUM conductor; PVC bedded SWA PVC sheathed; 600/1000 Volt cable to SANS 1507					Price / 100 M	Price / 100 M	
1.2.1	185 mm ² x 4 core							
1.2.2	150 mm ² x 4 core							
1.2.3	120 mm ² x 4 core							
1.2.4	95 mm ² x 4 core		90					
1.2.5	70 mm ² x 4 core		653					
1.2.6	50 mm ² x 4 core							
1.2.7	35 mm ² x 4 core							
1.2.8	25 mm ² x 4 core		180					
1.3	Paper insulated COPPER conductor cable; PVC served 6,35/11KV table 19 ; PILC GSTA to SANS 97					Price / 100 M	Price / 100 M	
1.3.1	185 mm ² x 3 core							
1.3.2	120 mm ² x 3 core							
1.3.3	95 mm ² x 3 core							
1.3.4	70 mm ² x 3 core							
1.3.5	35 mm ² x 3 core							
1.3.6	25 mm ² x 3 core		29					
	* All full drum MV cables to bear meter marking							
1.4	Paper insulated ALUMINIUM conductor cable; PVC served 6,35/11KV table 19 ; PILC GSTA to SANS 97					Price / 100 M	Price / 100 M	
1.4.1	300 mm ² x 3 core							
1.4.2	240 mm ² x 3 core							
1.4.3	185 mm ² x 3 core							
1.4.4	120 mm ² x 3 core							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
1.4.5	95 mm ² x 3 core							
1.4.6	70 mm ² x 3 core							
	* All full drum MV cables to bear meter marking							
1.5	INSULATED AERIAL CABLE							
1.5.1	Copper split concentric Airdac					Price / 100 M	Price / 100 M	
1.5.1.1	10 mm ² copper split concentric Airdac plus stranded pilot cable		939					
1.5.1.2	16 mm ² copper split concentric Airdac plus stranded pilot cable		710					
1.5.2	XLPE-insulated ALUMINIUM ABC- conductor to SABS 1418 Part 1 and 2/1986 with core identification (LV)					Price / 100 M	Price / 100 M	
1.5.2.1	3x120 + 54,6 + 25 mm ²							
1.5.2.2	3x95 + 54,6 + 25 mm ²							
1.5.2.3	3x70 + 54,6 + 25 mm ²							
1.5.2.4	3x35 + 54,6 + 25 mm ²							
1.5.3	XLPE- insulated ALUMINIUM ABC- conductor to SABS 1418 Part 1 and 2/1986 with core identification (MV)					Price / 100 m	Price / 100 m	
1.5.3.1	3x120 + 54,6							
1.5.3.2	3x95 + 54,6							
1.5.3.3	3x70 + 54,6							
1.5.3.4	3x35 + 54,6							
1.5.4	CABLE - GENERAL					Each (Unit Price)	Each (Unit Price)	
1.5.4.1	End Caps: 16mm(LXAC116)		72					
1.5.4.2	END CAPS: 55-25mm		11					
1.5.4.3	End Caps: 75-32mm							
1.5.4.4	End Caps:100-45mm							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
1.5.4.5	End Connectors & Sleeves: No.2		206					
1.5.4.6	Heat Shrink Boot: (502K 046-53/42)		7					
1.5.4.7	Heat Shrink Boot: 16mm 3 core							
1.5.4.8	Heat Shrink Boot: 16mm Single Phase		1					
1.5.4.9	Heat Shrink Boot: 35- 95mm 3 Core							
1.5.4.10	Heat Shrink Boot: 35-70mm 3 Phase							
1.5.4.11	Insulation Piercing Connectors: 6-35MM (TTD151F)		22					
1.5.4.12	Insulation Piercing Connectors:25-95MM (TTD201F)		30					
1.5.4.13	Heat Shrink Boot: 70-120mm 3 Phase							
2	LAMPS							
2.1.1	Compact fluorescent lamps					Each (unit Price)	Each (Unit Price)	
2.1.1.1	CFL 13/14 watt, 250 volt, ES.							
2.1.1.2	CFL 13/14 watt, 250 volt, BC							
2.1.1.3	CFL 20 watt, 250 volt, ES.							
2.1.1.4	CFL 20 watt, 250 volt, BC							
2.1.1.5	55 watt, 12 volt, traffic signage pigtail type							
2.2	Tungsten Halogen Lamps					Each (unit Price)	Each (Unit Price)	
2.2.1	500 watt, 250 volt, double ended							
2.2.2	1000 watt, 250 volt, double ended							
2.2.3	1500 watt, 250 volt, double ended							
2.2.4	2000 watt, 250 volt, double ended							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
2.3	Fluorescent Lamps					Each (unit Price)	Each (Unit Price)	
2.3.1	40 watt, 1200mm, Medium Bi-pin							
2.3.2	65 watt, 1500mm, Medium Bi-pin							
2.3.3	55 watt, 1800mm, Single pin							
2.3.4	85 watt, 2400mm, Bi-pin							
2.3.5	PL 9							
2.4	DISCHARGE LAMPS							
2.4.1	Mercury Vapour Lamps					Each (unit Price)	Each (Unit Price)	
2.4.1.1	125 watt, 250 volt, ES		679					
2.4.1.2	250 watt, 250 volt, GES							
2.4.1.3	400 watt, 250 volt, GES							
2.4.2	Mercury Tungsten Lamps (Mercury Blended)					Each (unit Price)	Each (Unit Price)	
2.4.2.1	160 watt, 250 volt, ES							
2.4.2.2	160 watt, 250 volt, BC							
2.4.3	High Pressure Sodium					Each (unit Price)	Each (Unit Price)	
2.4.3.1	250 watt, Clear tubular, GES							
2.4.3.2	250 watt, Coated elliptic, GES		82					
2.4.3.3	400 watt, Clear tubular, GES							
2.4.3.4	400 watt, Coated elliptic, GES		6					
2.4.3.5	70 watt, Coated elliptic, GES with internal igniter		597					
2.4.3.6	70 watt, Clear tubular, GES							
2.4.3.7	150 watt Coated elliptic, GES							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
2.4.4	Metal Halide					Each (unit Price)	Each (Unit Price)	
2.4.4.1	400 watt, Tubular without internal igniter							
2.4.4.2	400 watt, Tubular with internal igniter							
2.4.4.3	2000 watt, Tubular without internal igniter							
2.4.4.4	2000 watt, Tubular with internal igniter							
2.5	LAMPS - GENERAL					Each (unit Price)	Each (Unit Price)	
2.5.1	Globes: 16W 2D 2PIN		2					
2.5.2	Globes: 70W E/S Robot		25					
2.5.3	Globes: 80W Mercury (HPL-N) E27		143					
2.5.4	Globes: 11W Energy Saver BC		422					
2.5.5	Globes: 11W Energy Saver ES							
2.5.6	Globes: 11W Energy Savers E/S							
2.5.7	Globes: 160WATT Mercury Blend							
2.5.8	Globes: 60W ES		88					
2.5.9	Globes: 60WATT Spot One (R63)		12					
2.5.10	Globes: 70W NAVT Super		5					
2.5.11	Globes: 100W B/C		47					
2.5.12	GLOBES: 200W BC Clear		6					
2.5.13	Halogen Lamp: 12V 55W H3 (OSRAM)		69					
3	METERS					Each (unit Price)	Each (Unit Price)	
3.1	Single phase digital 20/80 amp class 2 kWh meters							
3.2	Three phase digital 40/100 amp class 2 kWh meters							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
3.3	Three phase Programmable Energy and Demand Meter 4 wire Class 2 including software for PC as specified – COMPATIBLE TO ENERMAX SOFTWARE (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.1.)							
3.4	Three phase Programmable Energy and Demand Meter 3 wire Class 2 including software for PC as specified – COMPATIBLE TO ENERMAX SOFTWARE (See Part B – SPECIFICATIONS AND PRICING SCHEDULE, Item B.1.)							
3.5	Single phase prepayment meters STS compatible, common base		483					
3.6	Three phase prepayment meters STS compatible,		7					
3.7	Single phase prepayment meters STS compatible, split (pilot cable)							
3.8	Three ph. prepayment meters STS compatible, split (pilot cable)		15					
3.9	Single phase 80 A DIN rail mounted prepayment meters STS compatible, split (PLC)							
3.10	Single phase 80 A common base prepayment meters STS compatible, split (PLC)							
3.11	Meter: Single Phase Pre-Paid 20(80) Amp (“Sabre” or similar)		39					
3.12	Customer Interface unit Common Base							
3.13	Customer Interface unit (PLC)							
3.14	Distortion filter (PLC)							
3.15	Three phase prepayment meters STS compatible, split (PLC) – 100 Amp							
3.16	Meter: Conventional Single Phase		77					
3.17	Meter: Conventional 3 PHASE 10(100) AMP		11					
3.18	Meter: Enermax (E+MA-15300) & GSM Modem (E-EA GSM040) 110V 3 Wire		5					

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
3.19	Meter: Enermax+(E+MA-454000) & Modem (E+EA-GSM040) Antenna / GPRS Modem		12					
3.20	Enermax (E+MA-454000) Modem (E+EA-GSM040) & Antenna / GPRS Modem							
3.21	Enermax (E+MA-15300) GSM Modem (E-EA GSM040) 110V 3-Wire & Antenna							
3.22	Base For S/Phase Prepaid Compatible Meter		481					
3.23	Base: Sabre / ECU FR610		157					
3.24	Split Meter: BEC 44 PL (Part No 700036972000)		80					
3.25	Split Meter: Keypad BEC UIU (Part No 70003698113)		43					
3.26	Split Meter: Customer Interface Unit PLC 220-240V		386					
3.27	Split Meter: S/Phase Gemini EMU, PLC (10)80A CL 2		384					
3.28	Split Radio Frequency Pre-paid meter 80 Amp ("Conlog" or similar)							
3.29	Keypad for Split Radio Frequency Pre-paid meter 80 Amp ("Conlog" or similar) in 3.28 above							
4	STREET LIGHTING LUMINAIRES TO SABS 1277 AND 1088 NB: BEKA COMPATIBLE					Each (unit Price)	Each (Unit Price)	
4.1	125W MV Side Entry							
4.1.1	70W HPS Side Entry							
4.1.2	150W HPS Side Entry							
4.1.3	250W HPS Side Entry							
4.1.4	70W HPS Flat glass Side Entry							
4.1.5	125W MV Bottom Entry							
4.1.6	70W HPS Bottom Entry							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
4.1.7	150W HPS Bottom Entry							
4.1.8	250W HPS Bottom Entry							
4.1.9	70W HPS Flat glass Bottom Entry							
4.1.10	6 Sided Bottom Entry Post Top							
4.1.11	Round Bottom Entry Post Top DMC Top Cover							
4.1.12	"BEKA Shine LED" or similar							
4.1.13	"BEKA Shine 70 W HPS" or similar							
4.1.14	Choke: 70 Watt HPS		108					
4.1.15	Choke: 80 Watt Mercury Vapour		5					
4.1.16	Choke: 125 Watt Mercury Vapour		37					
4.1.17	Choke: 250 Watt Mercury Vapour		14					
4.1.18	Daylight Switch: 16A National (NS216)		19					
4.1.19	Daylight Switch: 18A Spectrum (MS18)		25					
5	MINIATURE SUB-STATION & TRANSFORMERS NB: COPPER WINDING ONLY					Each (unit Price)	Each (Unit Price)	
5.1	200 KVA 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.2	315A 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.3	400 KVA 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.4	500 KVA 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
5.5	630 KVA 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.6	800 KVA 11000/420V. Miniature Substation as per specification including LV circuit breakers (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.7	1000 KVA 11000/420V. Miniature Substation as per specification including LV circuit breaker. (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.2.)							
5.8	25 KVA 11000/420V Pole mounted transformer							
5.9	50 KVA 11000/420V Pole mounted transformer		1					
5.10	100 KVA 11000/420V Pole mounted transformer							
5.11	200 KVA 11000/420V Pole mounted transformer							
5.12	200 KVA 11000/420V Transformer with enclosed LV Compartment – Pole Mounted "PINE NUT" (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.3.)							
6	ENCLOSURES							
6.1	Polyethylene Enclosures					Each (unit Price)	Each (Unit Price)	
6.1.1	2 Way double door kiosk with busbars. Must have integrated hinges. ("Greenbro" or similar)							
6.1.2	4 Way double door kiosk with busbars. Must have integrated hinges ("Greenbro" or similar)							
6.1.3	6 Way double door kiosk with busbars. Must have integrated hinges. ("Greenbro" or similar)		20					
6.1.4	9 Way double door kiosk with busbars. Must have integrated hinges. ("Greenbro" or similar)		14					
6.1.5	12 Way double door kiosk with busbars. Must have integrated hinges. ("Greenbro" or similar)							
6.1.6	Poly Box: AP1 Polyethylene, Pole Mount Enclosed / Stainless Steel Pole Mount Brackets / Mounting Board / Neutral Bar. (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.4.)							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
7	GLASS FIBER ENCLOSURES					Each (unit Price)	Each (Unit Price)	
7.1	2 Way double door kiosk with busbars							
7.2	4 Way double door kiosk with busbars							
7.3	6 Way double door kiosk with busbars							
7.4	9 Way double door kiosk with busbars							
7.5	12 Way double door kiosk with busbars							
7.6	Double switch socket outlet, 4 x 4 WITH cover ("Crabtree" or similar)							
7.7	PVC Wonderbox 4 x 4							
7.8	Connector Blocks 5 Amp							
7.9	Connector Blocks 10 Amp							
7.10	Connector Blocks 15 Amp							
8	CABLE TERMINATIONS AND JOINTS							
8.1	MV HEAT SHRINK TERMINATIONS & JOINTS PILC GSTA 6.35/11 KV TABLE 19 CABLE					Each (unit Price)	Each (Unit Price)	
8.1.1	16mm ² - 35mm ² Heat Shrink Indoor 650mm ² Termination with earth kid as per NRS 053:2008 STPA 21A32 ("Tank" or similar)		2					
8.1.2	50mm ² - 95mm ² Heat Shrink Indoor 650mm ² Termination with earth kid as per NRS 053:2008 STPA 22A32 ("Tank" or similar)		5					
8.1.3	120mm ² - 185mm ² Heat Shrink Indoor 650mm ² Termination with earth kid as per NRS 053:2008 STPA 23A32 ("Tank" or similar)							
8.1.4	16mm ² - 35mm ² Heat Shrink Outdoor 1200mm ² Termination with earth kid as per NRS 053:2008 STPB 21A34 ("Tank" or similar)							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
8.1.5	50mm ² - 95mm ² Heat Shrink Outdoor 1200mm ² Termination with earth kid as per NRS 053:2008 STPB 22A34 ("Tank" or similar)		6					
8.1.6	120mm ² - 185mm ² Heat Shrink Outdoor 1200mm ² Termination with earth kid as per NRS 053:2008 STPB 23A34 ("Tank" or similar)							
8.1.7	16mm ² - 35mm ² Heat Shrink Joint Outdoor 1200mm ² Joint as per NRS 053:2008 SJPA 21A31 ("Tank" or similar)		2					
8.1.8	50mm ² - 95mm ² Heat Shrink Joint Outdoor 1200mm ² Joint as per NRS 053:2008 SJPA 22A31 ("Tank" or similar)							
8.1.9	120mm ² - 185mm ² Heat Shrink Joint Outdoor 1200mm ² Joint as per NRS 053:2008 SJPA 23A31 ("Tank" or similar)							
8.1.10	Cable Compound (12.7KG)		13					
8.2	SINGLE CORE BUNDLE CONDUCTOR 11KV – JOINTS AND TERMINATIONS					Each (unit Price)	Each (Unit Price)	
8.2.1	Inline Joint: 16 – 35mm (SJXU 21A10) (Bundle conductor) PEX ("Tank" or similar)							
8.2.2	Inline Joint: 50 – 70mm (SJXU 22A10) (Bundle conductor) PEX ("Tank" or similar)							
8.2.3	Inline Joint: 95 – 150mm (SJXU 22R10) (Bundle conductor) PEX ("Tank" or similar)							
8.2.4	Single Core Termination: Outdoor 16 – 25mm; STXB 21R12 PEX ("Tank" or similar)							
8.2.5	Single Core Termination: Outdoor 35 – 70mm; STXB 22R12 PEX ("Tank" or similar)							
8.2.6	Single Core Termination: Outdoor 95 – 150mm; STXB 23R12 PEX ("Tank" or similar)							
8.3	LOW VOLTAGE CABLE JOINTS					Each (unit Price)	Each (Unit Price)	
8.3.1	Joint Kit:P0 (91-A0) ("Scotch Cast" or similar)							
8.3.2	Joint Kit:P1 (91-A1) ("Scotch Cast" or similar)		63					

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
8.3.3	Joint Kit:P2 (91-A2) (“Scotch Cast” or similar)		256					
8.3.4	Joint Kit:P2.5 (91-A3) (“Scotch Cast” or similar)		15					
8.3.5	Joint Kit:P3 (91-A4) (“Scotch Cast” or similar)		4					
8.3.6	Joint Kit:P3.5 (91-A4,5) (“Scotch Cast” or similar)		24					
8.3.7	Joint Kit:P4 (91-A5) (“Scotch Cast” or similar)							
8.4	CAST IRON JOINTS					Each (unit Price)	Each (Unit Price)	
8.4.1	Joint: 1001 Cast Iron Complete		8					
8.4.2	Joint: 1002 Cast Iron Complete		1					
8.4.3	Joint: 1003 Cast Iron Complete		2					
8.4.4	Compound – 12.7kg							
8.5	LOW VOLTAGE HEAT SHRINK JOINTS					Each (unit Price)	Each (Unit Price)	
8.5.1	Heat Shrink Low Voltage Joint SJLA 4mm – 16mm (“Tank” or similar)							
8.5.2	Heat Shrink Low Voltage Joint SJLA 25mm – 50mm (“Tank” or similar)							
8.5.3	Heat Shrink Low Voltage Joint SJLA 70mm – 120mm (“Tank” or similar)							
8.5.4	Heat Shrink Low Voltage Joint SJLA 120mm – 240mm (“Tank” or similar)							
8.6	HEAT SHRINK JOINTS MV					Each (unit Price)	Each (Unit Price)	
8.6.1	Heat Shrink Joint 3 Core PILC (SJPA 21 A31) (“Tank” or similar)							
8.6.2	Heat Shrink Joint 3 Core PILC (SJPA 22 A31) (“Tank” or similar)							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
8.6.3	Heat Shrink Joint 3 Core PILC (SJPA 23 A31) ("Tank" or similar)							
9	11 KV SF 6 RMU & METERING UNITS					Each (unit Price)	Each (Unit Price)	
9.1	SF6 RMU Circuit breakers for coastal areas ("SCHNEIDER" or "ABB" or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.5.)							
9.2	SF6 RMU Circuit breakers with metering unit for coastal areas ("SCHNEIDER" or "ABB" or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.5.)							
10	CIRCUIT BREAKERS					Each (unit Price)	Each (Unit Price)	
10.1	Circuit Breakers 100 Amp – J25S Hydraulic Magnetic ("CBI" or similar)							
10.2	Circuit Breakers 125 Amp – J25S Hydraulic Magnetic ("CBI" or similar)		1					
10.3	Circuit Breakers 150 Amp – J25S Hydraulic Magnetic ("CBI" or similar)		3					
10.4	Circuit Breakers 175 Amp – J25S Hydraulic Magnetic ("CBI" or similar)							
10.5	Circuit Breakers 200 Amp – J25S Hydraulic Magnetic ("CBI" or similar)		1					
10.6	Circuit Breakers 225 Amp – J25S Hydraulic Magnetic ("CBI" or similar)							
10.7	Circuit Breakers 250 Amp – J25S Hydraulic Magnetic ("CBI" or similar)		2					
10.8	Circuit Breakers 300 Amp – L25B Hydraulic Magnetic ("CBI" or similar)							
10.9	Circuit Breakers 350 Amp – L25B Hydraulic Magnetic ("CBI" or similar)							
10.10	Circuit Breakers 400 Amp – L25B Hydraulic Magnetic ("CBI" or similar)							
10.11	Circuit Breakers 450 Amp – L25B Hydraulic Magnetic ("CBI" or similar)							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
10.12	Circuit Breakers 500 Amp – L25B Hydraulic Magnetic (“CBI” or similar)							
10.13	Circuit Breakers 550 Amp – L25B Hydraulic Magnetic (“CBI” or similar)							
10.14	Circuit Breakers 600 Amp – L25B Hydraulic Magnetic (“CBI” or similar)							
10.15	Circuit Breaker Shroud Triple							
10.16	Circuit Breaker: 3 Phase 20AMP Orange Toggle							
10.17	Circuit Breaker: 3 Phase 20AMP Red Toggle							
10.18	Circuit Breaker: 3 Phase 30AMP Orange Toggle							
10.19	Circuit Breaker: 3 Phase 30AMP Red Toggle							
10.20	Circuit Breaker: 3 Phase 40AMP Orange Toggle		9					
10.21	Circuit Breaker: 3 Phase 40AMP Red Toggle							
10.22	Circuit Breaker: 3 Phase 50AMP Orange Toggle							
10.23	Circuit Breaker: 3 Phase 50AMP Red Toggle							
10.24	Circuit Breaker: 3 Phase 60AMP Orange Toggle		5					
10.25	Circuit Breaker: 3 Phase 60AMP Red Toggle							
10.26	Circuit Breaker: 3 Phase 70AMP Orange Toggle		1					
10.27	Circuit Breaker: 3 Phase 70AMP Red Toggle							
10.28	Circuit Breaker: 3 Phase 80AMP Orange Toggle		8					
10.29	Circuit Breaker: 3 Phase 80AMP Red Toggle							
10.30	Circuit Breaker: 3 Phase 90AMP Orange Toggle		2					
10.31	Circuit Breaker: 3 Phase 90AMP Red Toggle							
10.32	Circuit Breaker: 3 Phase 100AMP Orange Toggle		6					

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
10.33	Circuit Breaker: 3 Phase 100AMP Red Toggle							
10.34	Circuit Breaker: S/ Phase 30AMP Orange Toggle		12					
10.35	Circuit Breaker: S/ Phase 30AMP Red Toggle							
10.36	Circuit Breaker: S/ Phase 35 AMP Orange Toggle							
10.37	Circuit Breaker: S/ Phase 40AMP Orange Toggle		8					
10.38	Circuit Breaker: S/ Phase 40AMP Red Toggle							
10.39	Circuit Breaker: S/ Phase 50AMP Orange Toggle		3					
10.40	Circuit Breaker: S/ Phase 60AMP Red Toggle							
10.41	Circuit Breaker: S/ Phase 63AMP Orange Toggle		54					
10.42	Circuit Breaker: S/ Phase 70AMP Orange Toggle							
10.43	Circuit Breaker: S/ Phase 80AMP Orange Toggle		321					
10.44	Circuit Breaker: S/ Phase 80AMP Red Toggle							
10.45	Circuit Breaker: S/ Phase 100AMP Orange Toggle		12					
10.46	Circuit Breaker: S/ Phase 100AMP Red Toggle							
10.47	Circuit Breaker: SAM QA-1(13) 5AMP		159					
10.48	Circuit Breaker: SAM QA-1(13) 10AMP							
10.49	Circuit Breaker: SAM QA-1(13) 20AMP							
10.50	Shrouds & Clips: Single Phase (SF1)		114					
10.51	Shrouds & Clips: Three Phase (SF1)		5					
10.52	Shrouds: No 2							
11	STRIKER PIN					Each (unit Price)	Each (Unit Price)	
11.1	Striker Pin Fuse 36 Amp 254mm SHORT							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
11.2	Striker Pin Fuse 45 Amp 254mm							
11.3	Striker Pin Fuse 10 Amp 254mm ("BUSSMAN" or similar)							
11.4	Striker Pin Fuse 20 Amp 254mm ("BUSSMAN" or similar)							
11.5	Striker Pin Fuse 31.5 Amp 254mm ("BUSSMAN" or similar)		1					
11.6	Striker Pin Fuse 63 Amp 254mm ("BUSSMAN" or similar)							
11.7	Striker Pin Fuse 80 Amp 254mm ("BUSSMAN" or similar)							
11.8	Striker Pin Fuse 90 Amp 254mm ("BUSSMAN" or similar)							
11.9	Striker Pin Fuse 100 Amp 254mm ("BUSSMAN" or similar)							
11.10	Striker Pin Fuse 36 Amp 360mm Long ("BUSSMAN" or similar)							
11.11	Striker Pin Fuse 45 Amp 360mm ("BUSSMAN" or similar)							
11.12	Striker Pin Fuse 50 Amp 360mm ("BUSSMAN" or similar)		6					
11.13	Striker Pin Fuse 63 Amp 360mm ("BUSSMAN" or similar)							
11.14	Striker Pin Fuse 80 Amp 360mm ("BUSSMAN" or similar)							
11.15	Striker Pin Fuse 90 Amp 360mm ("BUSSMAN" or similar)							
11.16	Striker Pin Fuse 100 Amp 360mm ("BUSSMAN" or similar)							
11.17	Striker Pin Fuse 50 Amp - 50kA 80N Medium UN 17.5kV TDMEJ 50 Amp-34/7 – Size 550mm x 50mm x 45mm ("BUSSMAN" or similar)							
11.18	Fuse: 20 AMP 11 KV H.T							
11.19	Fuse: 100AMP 12KV (120HFMA100)							
11.20	Fuselink: 1AMP 12KV HRC							
11.21	Fuselink: 2AMP K-Speed		17					

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
11.22	Fuselink: 5AMP Standard		29					
11.23	Fuselink: 6AMP TYPE-K Standard							
11.24	Fuselink: 10AMP TYPE-K Standard		40					
11.25	Fuselink: 15AMP TYPE-K Standard		20					
11.26	Fuselink : 20AMP TYPE-K Standard		20					
11.27	Fuselink : 25AMP K-Speed		11					
11.28	Fuselink : 30AMP TYPE-K Standard		39					
11.29	Fuselink : 40AMP K-Speed		17					
11.30	Fuselink : 40AMP TYPE-K Standard							
11.31	Fuselink : 50AMP TYPE-K Standard		21					
11.32	Fuselink : 65AMP TYPE-K Standard		5					
11.33	Fuselink : 80AMP TYPE-K Standard		23					
11.34	Fuselink :100AMP TYPE-K Standard		11					
11.35	Fuses: 20 - 63 AMP 11KV							
11.36	Fuses: 20A KEBXO							
11.37	Fuses: 36A KEBXO H.S							
11.38	Fuses: 40A KEBXO		3					
11.39	Fuses: 45A KEBXO H.S							
11.40	Fuses: 63A KEBXO							
11.41	Fuses: 80A KEBXO H.S							
11.42	Fuses: 90A KEBXO H.S							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
12	STREETLIGHT POLES					Each (unit Price)	Each (Unit Price)	
12.1	3.6m Heavy Duty GRP Pole complete with Spigot, Baseplate, Glandplate and MCB 5A/5kA ("BEKA K18.76.30" or similar)							
12.1.1	4.5m Heavy Duty GRP Pole complete with Spigot, Baseplate, Glandplate and MCB 5A/5Ka ("BEKA K18.76.30" or similar)							
12.2	4.2m Steel Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.1.)							
12.3	5.7m Steel Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.1.)							
12.4	7.2m Steel Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.1.)							
12.5	7.2m Concrete Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.2.)							
12.6	9m Wooden Gum – Creosote Treated		7					
12.7	10m Steel Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.1.)							
12.8	11.5m Steel Pole (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.6.1.)							
13	CURRENT TRANSFORMERS					Each (unit Price)	Each (Unit Price)	
13.1	Current Transformer: 150/5 (32mm Ring)CL1		6					
13.2	Current Transformer: 200/5 (32mm Ring)CL1							
13.3	Current Transformer: 250/5 (32mm Ring)CL1		3					
13.4	Current Transformer: 250/5 (36mm Ring)CL1		3					
13.5	Current Transformer: 300/5 (36mm Ring)CL1		3					
13.6	Current Transformer: 350/5 (36mm Ring)CL1							
13.7	Current Transformer: 400/5 (36mm Ring)CL1							
13.8	Current Transformer: 450/5 (36mm Ring)CL1		3					

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13.9	Current Transformer: 500/5 (65mm Ring)CL1							
13.10	Current Transformer: 600/5 (65mm Ring)CL1							
13.11	Current Transformer: 700/5 (65mm Ring)CL1							
13.12	Current Transformer: 800/5 (65mm Ring)CL1							
13.13	Current Transformer: 1000/5 (65mm Ring)CL1							
13.14	Metering Test Block, Front connected							
13.15	Metering Test Block, Rear connected							
14	LUGS & FERRULES					Each (unit Price)	Each (Unit Price)	
14.1	Crimping Ferrule: 2.5mm Copper		27					
14.2	Crimping Ferrule: 4mm Copper							
14.3	Crimping Ferrule: 6mm Copper		152					
14.4	Crimping Ferrule: 10mm Copper		135					
14.5	Crimping Ferrule: 16mm Copper		1412					
14.6	Crimping Ferrule: 25mm Copper		90					
14.7	Crimping Ferrule: 35mm Copper		83					
14.8	Crimping Ferrule: 50mm Copper		63					
14.9	Crimping Ferrule: 70mm Copper		114					
14.10	Crimping Ferrule: 95mm Copper		56					
14.11	Crimping Ferrule:120mm Copper		1					
14.12	Crimping Ferrule:150mm Copper		1					
14.13	Crimping Ferrule:185mm Copper		12					
14.14	Crimping Ferrule:240mm Copper							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
14.15	Crimping Ferrule:300mm Copper							
14.16	Crimping Lugs: 2.5X 4mm Copper							
14.17	Crimping Lugs: 2.5X 5mm Copper							
14.18	Crimping Lugs: 2.5X 6mm Copper		160					
14.19	Crimping Lugs: 2.5X 8mm Copper		40					
14.20	Crimping Lugs: 4X 5mm Copper							
14.21	crimping lugs: 4X 6mm Copper							
14.22	Crimping Lugs: 6X 5mm Copper		20					
14.23	Crimping Lugs: 6X 6mm Copper		35					
14.24	Crimping Lugs: 6X 8mm Copper		30					
14.25	Crimping Lugs: 6x10mm Copper		40					
14.26	Crimping Lugs: 10X 5mm Copper		5					
14.27	Crimping Lugs: 10X 6mm Copper		5					
14.28	Crimping Lugs: 10X 8mm Copper		10					
14.29	Crimping Lugs: 16X 6mm Copper		488					
14.30	Crimping Lugs: 16X 8mm Copper		184					
14.31	Crimping Lugs: 16x10mm Copper		118					
14.32	Crimping Lugs: 16x12mm Copper		5					
14.33	Crimping Lugs: 16x16mm Copper							
14.34	Crimping Lugs: 25X 6mm Copper		10					
14.35	Crimping Lugs: 25X 8mm Copper		80					
14.36	Crimping Lugs: 25x10mm Copper		65					

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
14.37	Crimping Lugs: 25x12mm Copper		4					
14.38	Crimping Lugs: 25x16mm Copper		3					
14.39	Crimping Lugs: 35X 8mm Copper							
14.40	Crimping Lugs: 35x10mm Copper		30					
14.41	Crimping Lugs: 35x12mm Copper		33					
14.42	Crimping Lugs: 35x16mm Copper		10					
14.43	Crimping Lugs: 50X 8mm Copper		20					
14.44	Crimping Lugs: 50x10mm Copper		42					
14.45	Crimping Lugs: 50x12mm Copper		6					
14.46	Crimping Lugs: 50x16mm Copper							
14.47	Crimping Lugs: 70X 8mm Copper		49					
14.48	Crimping Lugs: 70x10mm Copper		117					
14.49	Crimping Lugs: 70x12mm Copper		68					
14.50	Crimping Lugs: 70x16mm Copper		10					
14.51	Crimping Lugs: 95X 8mm Copper		21					
14.52	Crimping Lugs: 95x10mm Copper		34					
14.53	Crimping Lugs: 95x12mm Copper		46					
14.54	Crimping Lugs: 95x20mm Copper		3					
14.55	Crimping Lugs:120X 8mm Copper		1					
14.56	Crimping Lugs:120x10mm Copper		41					
14.57	Crimping Lugs:120x12mm Copper		13					
14.58	Crimping Lugs:150x10mm Copper							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
14.59	Crimping Lugs:150x12mm Copper							
14.60	Crimping Lugs:150x16mm Copper							
14.61	Crimping Lugs:185x12mm Copper		16					
14.62	Crimping Lugs:240x12mm Copper							
14.63	Crimping Lugs:300x16mm Copper							
14.64	Crimping Lugs: 25mm x 10mm Aluminium							
14.65	Crimping Lugs: 25mm x 12mm Aluminium							
14.66	Crimping Lugs: 35mm x 10mm Aluminium							
14.67	Crimping Lugs: 35mm x 12mm Aluminium							
14.68	Crimping Lugs: 50mm x 10mm Aluminium		8					
14.69	Crimping Lugs: 50mm x 12mm Aluminium							
14.70	Crimping Lugs: 70mm x 10mm Aluminium		2					
14.71	Crimping Lugs: 70mm x 12mm Aluminium							
14.72	Crimping Lugs: 95mm x 10mm Aluminium		5					
14.73	Crimping Lugs: 95mm x 12mm Aluminium							
14.74	Crimping Lugs: 120mm x 10mm Aluminium							
14.75	Crimping Lugs: 120mm x 12mm Aluminium		1					
14.76	Crimping Lugs: 150mm x 10mm Aluminium							
14.77	Crimping Lugs: 150mm x 12mm Aluminium							
14.78	Crimping Lugs: 185mm x 12mm Aluminium							
14.79	Crimping Lugs: 25mmx12mm Orange Bundle Conductor							
14.80	Crimping Lugs: 35mmx12mm Red Bundle Conductor							

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Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
14.81	Crimping Lugs: 50mmx12mm Yellow Bundle Conductor							
14.82	Crimping Lugs: 70mmx12mm White Bundle Conductor							
14.83	Crimping Lugs: 95mmx12mm Grey Bundle Conductor							
14.84	Crimping Lugs: 54.6mm Neutral Bundle							
14.85	Crimping Ferrule: 25mm Aluminium							
14.86	Crimping Ferrule: 35mm Aluminium							
14.87	Crimping Ferrule: 50mm Aluminium							
14.88	Crimping Ferrule: 70mm Aluminium		2					
14.89	Crimping Ferrule: 95mm Aluminium		2					
14.90	Crimping Ferrule: 120mm Aluminium							
14.91	Crimping Ferrule: 150mm Aluminium							
14.92	Crimping Ferrule: 185mm Aluminium							
14.93	Crimping Ferrule: 35-35mm Copper/Alum (Bi-Metal)							
14.94	Crimping Ferrule: 50-50mm Copper/Alum (Bi-Metal)							
14.95	Crimping Ferrule: 70-70mm Copper/Alum (Bi-Metal)							
14.96	Crimping Ferrule: 95mmx95mmCopper/Alum (Bi-Metal)							
14.97	Crimping Ferrule: 16mm Blue (MJPB)							
14.98	Crimping Ferrule: 25mm Orange Bundle Conductor							
14.99	Crimping Ferrule: 35mm Red Bundle Conductor		6					
14.100	Crimping Ferrule: 50mm Yellow Bundle Conductor							
14.101	Crimping Ferrule: 70mm White Bundle Conductor							
14.102	Crimping Ferrule: 95mm Grey Bundle Conductor							

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
14.103	Crimping Ferrule: 54.6mm Neutral Bundle							
14.104	Crimping Ferrule: 35mm Weak Back							
14.105	Crimping Ferrule: 50mm Weak Back							
14.106	Crimping Ferrule: 70mm Weak Back		6					
14.107	Crimping Ferrule: 95mm Weak Back							
14.108	Crimping Ferrule: 120mm Weak Back							
14.109	Shear off lug BLMT 25/95-13 & 17 ("Tank" or similar)							
14.110	Shear off lug BLMT 35/150-13 & 17 ("Tank" or similar)							
14.111	Shear off lug BLMT 95/240-13 & 17 ("Tank" or similar)							
14.112	Shear off lug BLMT 185/400-13 & 17 ("Tank" or similar)							
14.113	Shear off ferrule BSM25/95 ("Tank" or similar)							
14.114	Shear off ferrule BSM35/150 ("Tank" or similar)							
14.115	Shear off ferrule BSM95/240 ("Tank" or similar)							
14.116	Shear off ferrule BSM185/400 ("Tank" or similar)							
15	INSULATORS							
15.1	Silicone Insulators					Each (unit Price)	Each (Unit Price)	
15.1.1	6 DISC 480mm							
15.1.2	7 DISC 620mm; 520mm							
15.1.3	8 DISC 620mm; 490mm							
15.1.4	8 DISC 620mm; 500mm							
15.1.5	8 DISC 620mm; 620mm							

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
15.2	Porcelain Insulators					Each (unit Price)	Each (Unit Price)	
15.3	Porcelain; 22kV intermediate complete with pin ,4kN with creep-age 31mm/kV							
15.4	Flexible Boot					Each (unit Price)	Each (Unit Price)	
15.5	RCAB or RICS 3133 Flexible boot							
16	GENERAL					Each (unit Price)	Each (Unit Price)	
16.1	Airdac Strain Clamps for 10-16mm		45					
16.2	Airdac Suspension Plate							
16.3	Band It Buckles: 12.7mm (100'S)		15					
16.4	Band It Buckles: 15.8mm (100'S)							
16.5	Band It Strap: 12.5X0.7mmx30m		33					
16.6	Band It Strap: 15.8X0.7Mmx30m							
16.7	Barrier Tape: 75mmx500mx50mic Red/WHITE		79					
16.8	Danger Tape: 300mmx60 MIC – Orange		3					
16.9	Orange Barrier Netting – 1.2m x 30m							
16.10	Wooden Droppers (gum): ± 30mm x 1.2m – natural							
16.11	Bowl Fittings		1					
16.12	Bundle Tie Straps: 200mm – Black							
16.13	Cable Ties:104mm x 2.5mm – Black		1					
16.14	Cable Ties:200mm x 4,7mm – Black		5					
16.15	Cable Ties:305mm x 4,7mm – Black		7					
16.16	Clamp: Dead End							

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
16.17	Clamp: MV Gland							
16.18	Contactora: 220-230V 60HZ (LCI D50 M7)							
16.19	Contactora: 230V 50/60HZ Magnetic							
16.20	Contactora: 400V 50/60HZ Magnetic (RAB-35T10 C1)							
16.21	Contactora: 40A Telemac							
16.22	Contactora: 7.5KW 220V		1					
16.23	Dropout Fuse Unit Type 36MZL 11/22kV 100amp 7.2kA Interrupting 360mm creepage 150kV BIL Fuse cut-out, complete with fuse tube assembly and mounting bracket. ("KARG" or similar)		13					
16.24	Electro Flasher UNIT: MODEL R1F 230V ("Omron" or similar)							
16.25	Fluorescent Ballast: 4FT		1					
16.26	Fluorescent Ballast: 5FT							
16.27	Fluorescent Ballast: 6FT							
16.28	Fluorescent Lamp Holder							
16.29	Fluorescent starters		52					
16.30	Fluorescent Tubes: 36W							
16.31	Fluorescent Tubes: 3FT							
16.32	Fluorescent Tubes: 6FT'							
16.33	Galv. St. Guy Grip							
16.34	Glands & Shrouds: No 1		6					
16.35	Glands & Shrouds: No 3							
16.36	Glands & Shrouds: No 5							
16.37	Glands & Shrouds: No. 2 ADJ		2					

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
16.38	Glands & Shrouds: No. 3 Cable							
16.39	Glands: No. 0 (PVC)		12					
16.40	Glands: No. 1 (PVC)							
16.41	Glands: No. 2 (PVC)		3					
16.42	Glands: No. 2 (PVC)							
16.43	Glands: No. 4 (PVC)							
16.44	Glands: No. 6 (PVC)							
16.45	Gloves: Rubber – Various sizes 1100 Volt		2					
16.46	Gloves: Leather outer RGXSC-C – various sizes (“Regeltex” or similar)							
16.47	Rubber Gloves – Cotton inners – various sizes							
16.48	Gutter Bolts: 6 x 75mm							
16.49	Insulation Tape: Black (+33) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)		219					
16.50	Insulation Tape: Blue (No.35) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)		88					
16.51	Insulation Tape: Green (No.35) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)		3					
16.52	Insulation Tape: Red (No.35) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)		105					
16.53	Insulation Tape: White (No.35) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)		87					
16.54	Insulation Tape: Yellow (No.35) (“3M Scotch” or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.7.)							
16.55	K-Clamps: 20mm		95					

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
16.56	K-Clamps: K16		1					
16.57	K-Clamps: K32		15					
16.58	K-Clamps: K40		7					
16.59	Lamp Fitting: Cheesecake Ceiling Light							
16.60	Lamp Fitting: Slimline OD01A							
16.61	Lamp: 220V White Bulkhead							
16.62	Lamp: 50W Deco Cover							
16.63	Lamp: 50W Dura							
16.64	Lamp: 50W Waco							
16.65	Lightning Arrestors 11 KV		9					
16.66	Line Taps: 16mm (mo.6)		290					
16.67	Line Taps: 25mm (mo 4)		20					
16.68	Line Taps: 35mm (mo 2)		215					
16.69	Line Taps: 50mm (mo 0)		312					
16.70	Line Taps: 70mm (mo 3/0)		251					
16.71	Line Taps: 100mm		18					
16.72	Line Taps: 150mm (mo 5/8)		48					
16.73	Pigtail Bolts: M 16 X 380							
16.74	Pigtail Screws		7					
16.75	Pipe: 40mm x 4m Conduit Bosal Galv.		12					
16.76	Pipe: 110mm x 6m Plasduct		177					
16.77	Plugtops: 16A White PVC		6					

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
16.78	Pole Bracket: CS14							
16.79	Pole Mount Box + Vert. Bracket		21					
16.80	Pole Mount Boxes + Vert. Bracket N/F							
16.81	Pole Top Make Offs (5X8 PLP)		2					
16.82	Rubber Tape: 34mm x 3.2mm x 1.6m ("3M Scotch" or "Pratley" or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.8.)		97					
16.83	Rubber Tape: 25mm x 0.75mm x 9.15m ("3M Scotch" or "Pratley" or similar) (See Part B, SPECIFICATIONS AND PRICING SCHEDULE, item B.8.)							
16.84	Saddles: 20mm Galvanised							
16.85	Saddles: 40mm Galvanised							
16.86	Saddles: PVC							
16.87	Cable clips: 14mm							
16.88	Solderless Earth Connection							
16.89	Strain Clamp Bundle: LV Insulated Neutral							
16.90	Suspension Assembly Bundle: Insulated Neutral							
16.91	Suspension Clamp Bundle: LV Insulated Neutral							
16.92	Switch: Earth Leakage 63A		8					
16.93	Earth Leakage Shroud							
16.94	Tubes: Halogen 240 X 1500							
16.95	Wiping Metal S5		54					
16.96	Wire: 16mm Bare Copper		85					
16.97	House Wire: 16mm Red PVC		200					

SIGNATURE	NAME (PRINT)	CAPACITY	DATE
NAME OF FIRM			



Item #	Description	Lead Time (Weeks)	Estimated Quantity / Annum	Manufacturer & Model / Type	Units per Box / Bag / Drum / Roll (specify)	TENDER PRICE EXCLUDING VAT DELIVERY: Kleinmond	TENDER PRICE EXCLUDING VAT DELIVERY: Hermanus	TENDER PRICE EXCLUDING VAT DELIVERY: Gansbaai
16.98	House Wire: 16mm White PVC							
16.99	House Wire: 16mm Black PVC		100					
16.100	House Wire: 16mm Blue PVC							
16.101	House Wire: 16mm Earth PVC							
16.102	House Wire: 1.5mm Red PVC							
16.103	House Wire: 1.5mm White PVC							
16.104	House Wire: 1.5mm Black PVC							
16.105	House Wire: 1.5mm Blue PVC							
16.106	House Wire: 1.5mm Earth PVC							
16.107	House Wire: 2.5mm Red PVC							
16.108	House Wire: 2.5mm White PVC							
16.109	House Wire: 2.5mm Black PVC							
16.110	House Wire: 2.5mm Blue PVC							
16.111	House Wire: 2.5mm Earth PVC							
16.112	Ready Boards with Light ("CBI" or similar)							
16.113	Guy Grips – AL Blue 1250mm							
16.114	Guy Grips – AL Green 1900mm							
16.115	Guy Grips – AL Yellow 920mm							
16.116	Guy Grips – AL Yellow 1100mm							

SIGNATURE		NAME (PRINT)		CAPACITY		DATE	
NAME OF FIRM							

I / We acknowledge that I / we am / are fully acquainted with the contents of the conditions of tender of this tender form and that I / we accept the conditions in all respects.

I / We agree that the laws of the Republic of South Africa shall be applicable to the contract resulting from the acceptance of *my / our tender and that I / we elect domicillium citandi et executandi in the Republic at:

I / We furthermore confirm I / we satisfied myself / ourselves as to the corrections and validity of my / our tender: that the price quoted cover all the work items specification in the tender documents and that the price cover all my / our obligations under a resulting contract and that I / we accept that any mistake(s) regarding price and calculations will be at my / our risk.

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			
WITNESS 1		WITNESS 2	



PART C – DATABASE REGISTRATION

A	If you are a bidder, DULY REGISTERED as a Preferred Supplier on the Supply Chain Management Database of the Overstrand Municipality, COMPLETE THIS SECTION		
SCM DATABASE REGISTRATION NUMBER		SC	
NAME OF FIRM			
SIGNATURE		CAPACITY	
NAME (PRINT)			

B	If you are a bidder, NOT DULY REGISTERED as a Preferred Supplier on the Supply Chain Management Database of the Overstrand Municipality, it is compulsory to complete and attach the following forms:
1	Database Registration Form
2	Vraelys Vir Voorkeurverkrygingsbeleid / Questionnaire For Preferential Procurement Policy / Iphepha Lemibuzo Yenqubo Ekhethekileyo Yokufumana
3	Declaration By Supplier
4	National Small Business Act No. 102 Of 1996 Classification
5	Documents Required
6	Nature Of Operations, Products Or Services
7	Credit Order Instruction

FOR OFFICE USE ONLY: <i>Confirm attachment of the completed documents</i>			
<i>I confirm that I have removed the Supplier Database Registration Forms from the tender document and forwarded it to the Supplier Database Official</i>			
<i>Pages removed from page number:</i>		<i>To page number:</i>	<i>Date</i>
<i>Print Name</i>		<i>Signature</i>	

PREFERENTIAL PROCUREMENT REGULATIONS 2011

1. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

6.2 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	8	16
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

6.3 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EMEs with B-BBEE Status Level Certificates.

6.4 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.

6.5 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.

6.6 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.

6.7 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

6.8 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

6.9 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

7 BID DECLARATION

7.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7.1.1 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1	
7.1.1.1 B-BBEE Status Level of Contribution as reflected on the B-BBEE Certificate	
7.1.1.2 Points claimed in respect of Level of Contribution (maximum of 10 or 20 points)	

(Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).

3	Persentasie aandeelhouing van persone geklassifiseer as jeug . (18 – 35 Jaar oud) / Percentage of shareholding of persons in the business classified as youth . (18 – 35 Years old) / Ipersenti labantu abanezabelo kwinkonzo zoshishino ababizwa ngokuba lulutsha (18 – 35 Yeminyaka)	%
4	Is u besigheid geleë binne die jurisdiksie van die munisipaliteit ?	In/Ngaphakathi
	Is your business established within the area of jurisdiction of the Municipality? / Ingaba ishishini lakho limi kwingingqi elawulwa nguMasipala wesithili?	Uit/Out/Ngaphandle

Hiermee sertifiseer ek/ons die ondergetekende en die getuienisse dat bogenoemde inligting korrek is. / I/We hereby certify that the abovementioned information is correct signed by myself/ourselves and the witnesses. / Mna/Thina siqinisekisa ukuba ezi nkukacha zingasentla zilungile kwaye zisayinwe ndim/sithi kunye namangqina

Handtekening / Signature / Osayinileyo	Getuie / As Witness / Njengengqina

DECLARATION BY SUPPLIER

1.	This document serves as a declaration to be used by the municipality in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system. No Registration will be accepted from persons in the service of the state*.			
2.(a)	Any prospective supplier, having a kinship with persons in the service of the state, including a blood relationship, may in terms of current legislation register on the Municipality's Database. In view of possible allegations of favouritism, should a resulting bid, or part thereof, be awarded to suppliers connected with or related to persons in the service of the state, it is required that the supplier or his/her authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.			
2.(b)	The request for registration on the Municipality's database may be rejected if the supplier, or any of its directors/members/partners have:			
	(i) abused the municipality's supply chain management system or committed any improper conduct in relation to such system;			
	(ii) been convicted for fraud or corruption during the past five years;			
	(iii) willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years;			
	(iv) being a person whose tax matters are not cleared by the South African Revenue Services; or			
	(v) been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).			
3.	In order to give effect to the above, the following questionnaire must be completed and signed before a Commissioner of Oaths.			
3.1	Print full Name:			
3.2	Company/CC Registration or ID Number:			
3.3	Are you presently <i>in the service of the state</i> ? *	YES	NO	
3.3.1	If so, furnish particulars.			
3.4	Have you been <i>in the service of the state</i> for the past twelve months?	YES	NO	
3.4.1	If so, furnish particulars.			
3.5	Do you, have any relationship (family, friend, other) with persons <i>in the service of the state</i> and who may be involved with the evaluation and or adjudication of any prospective bid?	YES	NO	
3.5.1	If so, furnish particulars.			
3.6	Are you, aware of any relationship (family, friend, other) between a supplier and any persons <i>in the service of the state</i> who may be involved with the evaluation and or adjudication of any bid?	YES	NO	
3.6.1	If so, furnish particulars.			
3.7	Are any of your company's directors, managers, principle shareholders or stakeholders <i>in the service of the state</i> ?	YES	NO	
3.7.1	If so, furnish particulars.			
3.8	Is any spouse, child or parent of your company's directors, managers, principle shareholders or stakeholders <i>in the service of the state</i> ?	YES	NO	
3.8.1	If so, furnish particulars.			
3.9	Is the supplier or any of its directors/partners listed on the National Treasury's database as a company or person prohibited from doing business with the public sector?	YES	NO	
3.9.1	If so, furnish particulars.			

3.10	Is the supplier or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?	YES		NO	
3.10.1	If so, furnish particulars.				
3.11	Was the supplier or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	YES		NO	
3.11.1	If so, furnish particulars.				
3.12	Does the supplier or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	YES		NO	
3.12.1	If so, furnish particulars.				
3.13	Was any contract between the supplier and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	YES		NO	
3.13.1	If so, furnish particulars.				

CERTIFICATION

I, THE UNDERSIGNED, _____, CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT. I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

Signature	Position	Date

- * MSCM Regulations: "in the service of the state" means to be –
- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
 - (b) a member of the board of directors of any municipal entity;
 - (c) an official of any municipality or municipal entity;
 - (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
 - (e) a member of the accounting authority of any national or provincial public entity; or
 - (f) an employee of Parliament or a provincial legislature.

<p style="text-align: center;">COMMISSIONER OF OATHS</p> <p>Signed and sworn to before me at _____, on this _____ day of _____ 20____</p> <p>by the Deponent, who has acknowledged that he/she knows and understands the contents of this Affidavit, it is true and correct to the best of his/her knowledge and that he/she has no objection to taking the prescribed oath, and that the prescribed oath will be binding on his/her conscience.</p> <p>COMMISSIONER OF OATHS:-</p> <p>Position: _____</p> <p>Address: _____</p> <p>Tel: _____</p>	<p>Apply official stamp of authority on this page:</p>
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National Small Business Act No. 102 of 1996 Classification

1. Indicate your Economic Sector - Give full description in 1.4 on page 1	2. Indicate the size of your Business if the National Small Business Act applies to your enterprise.				
Sector or sub-sectors in accordance with the Standard Industrial Classification	Size of class	Total full-time equivalent of paid employees	Total annual turnover	Total gross asset value (fixed property excluded)	Indicate the category of your business
Please indicate your Sector "X"	Less than:	Less than:	Less than:	Less than:	"X"
All Tiers of Government 00001 - 09999	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Agriculture 11001 - 14999	Medium	100	R 5 m	R 5 m	
	Small	50	R 3 m	R 3 m	
	Very small	10	R 0.50 m	R 0.50 m	
	Micro	5	R 0.20 m	R 0.10 m	
Mining and Quarrying 21001 - 29999	Medium	200	R 39 m	R 23 m	
	Small	50	R 10 m	R 6 m	
	Very small	20	R 4 m	R 2 m	
	Micro	5	R 0.20 m	R 0.10 m	
Manufacturing 30001 - 39999	Medium	200	R 51 m	R 19 m	
	Small	50	R 13 m	R 5 m	
	Very small	20	R 5 m	R 2 m	
	Micro	5	R 0.20 m	R 0.10 m	
Electricity, Gas and Water 41001 - 42999	Medium	200	R 51 m	R 19 m	
	Small	50	R 13 m	R 5 m	
	Very small	20	R 5.10 m	R 1.90 m	
	Micro	5	R 0.20 m	R 0.10 m	
Construction 50001 - 50999	Medium	200	R 26 m	R 5 m	
	Small	50	R 6 m	R 1 m	
	Very small	20	R 3 m	R 0.50 m	
	Micro	5	R 0.20 m	R 0.10 m	
Wholesale Trade, Commercial Agents and Allied Services 58001 - 61999	Medium	200	R 64 m	R 10 m	
	Small	50	R 32 m	R 5 m	
	Very small	20	R 6 m	R 0.60 m	
	Micro	5	R 0.20 m	R 0.10 m	
Retail and Motor Trade and Repair Services 62101 - 63500	Medium	200	R 39 m	R 6 m	
	Small	50	R 19 m	R 3 m	
	Very small	20	R 4 m	R 0.60 m	
	Micro	5	R 0.20 m	R 0.10 m	
Catering, Accommodation and other Trade 64101 - 64299	Medium	200	R 13 m	R 3 m	
	Small	50	R 6 m	R 1 m	
	Very small	20	R 1.50 m	R 0.90 m	
	Micro	5	R 0.20 m	R 0.10 m	
Transport, Storage and Communications 71001 - 75999	Medium	200	R 26 m	R 6 m	
	Small	50	R 13 m	R 3 m	
	Very small	20	R 3 m	R 0.60 m	
	Micro	5	R 0.20 m	R 0.10 m	
Finance and Business Services 81001 - 88999	Medium	200	R 26 m	R 5 m	
	Small	50	R 13 m	R 3 m	
	Very small	20	R 3 m	R 0.50 m	
	Micro	5	R 0.20 m	R 0.10 m	
Community, Social and Personal Services 91001 - 99999	Medium	200	R 13 m	R 6 m	
	Small	50	R 6 m	R 3 m	
	Very small	20	R 1 m	R 0.60 m	
	Micro	5	R 0.20 m	R 0.10 m	

NATURE OF OPERATIONS, PRODUCTS OR SERVICES

Please list the products/services provided by your enterprise under the appropriate headings. Indicate the PRIMARY and/or SECONDARY function applicable to your business by ticking the appropriate box and (i.e. nature of operations, products or services):

PRIMARY FUNCTION:	<input type="checkbox"/>	SECONDARY FUNCTION:	<input type="checkbox"/>
PRODUCTS	<input type="checkbox"/>	PRODUCTS	<input type="checkbox"/>
SERVICES	<input type="checkbox"/>	SERVICES	<input type="checkbox"/>
LABOUR	<input type="checkbox"/>	LABOUR	<input type="checkbox"/>
EQUIPMENT	<input type="checkbox"/>	EQUIPMENT	<input type="checkbox"/>

KREDIETBEVEL INSTRUKSIE / CREDIT ORDER INSTRUCTION / UMYALELO NGOTYALO MALI

Dit is die Overstrand Munisipaliteit se beleid om alle krediteure deur middel van direkte bankoorplasinge te vereffen. Verskaf meegaande inligting en verkry asb. U bankiers se bevestiging.	It is the policy of the Overstrand Municipality to pay all creditors by means of direct bank transfers. Please complete this information and acquire your banker's confirmation.	Yinkqubo kaMasipala wesithili saseOverstrand ukuhlawula abo kufuneka behahlawule ngokufaka imali ebhankini.Nceda ke ngoko uzalise olu xwebhu lungezantsi ngeenkukacha zakho ucele ibhanki yakho ukuba yenze isiqinisekiso sezi nkukacha.
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BESONDERHEDE VAN FIRMA/INSTANSIE / DETAILS OF FIRM/INSTITUTION / IINKCUKACHA ZEFEMU/IZIKO:												
Naam / Name / Igama												
Adres / Address / Idilesi												

BESONDERHEDE VAN MY/ONS BANKREKENING IS AS VOLG / DETAILS OF MY/OUR BANK ACCOUNT ARE AS FOLLOWS / IINKCUKACHA ZEBHANKI YAM ZIMI NGOLU HLOBO:												
NAAM VAN BANK / NAME OF BANK / IGAMA LEBHANKI												
NAAM VAN TAK / NAME OF BRANCH / IGAMA LESEBE LEBHANKI												
REKENING NR / ACCOUNT NO / INOMBOLO YE_AKHAWUNTI												
TAKKODE / BRANCH CODE / IKHOWUDI YESEBE												
TIPE REKENING / TYPE OF ACCOUNT / UHLOBO LWE_AKHAWUNTI												

1 =	Tjekrekening Cheque Account I-akhawunti yetshexhi	2 =	Transmissierekening Transmission Account I-akhawunti yokugqithisela (Nie in gebruik) (Not in use) Avisetvenziswai	3 =	Spaarrekening Savings Account I-akhawunti vemali eqcniweyo Subskripsieaandeelrekening Subscription Share Account I-akhawunti vomrhumo wezabelo
4 =	Verbandrekening Bond Account I-akhawunti yebhondi	5 =		6 =	

<p>Ek/ons versoek en magtig hiermee die Overstrand Munisipaliteit om enige bedrae wat my/ons mag toeval, in my/ons bankrekening te krediteer.</p> <p>Ek/ons verstaan dat 'n betalingsadvies deur die Overstrand Munisipaliteit in die normale wyse verskaf sal word wat die datum sal aantoon wanneer die fondse beskikbaar sal wees, asook besonderhede van die betaling.</p> <p>Ek/ons ondemeem verder om die Overstrand Munisipaliteit vroegetydig in kennis te stel van enige verandering in my/ons bankbesonderhede en erken dat hierdie magtiging slegs deur my/ons met dertig dae kennis gekanselleer kan word deur middel van voorafbetaalde geregistreerde pos.</p>	<p>I/we hereby request and authorise the Overstrand Municipality to pay any amounts that may accrue to me/us to the credit of my/our bank account.</p> <p>I/we understand that a payment advice will be supplied by the Overstrand Municipality in the normal way that will indicate the date on which funds will be available in my/our bank account and details of payment.</p> <p>I/we further undertake to inform the Overstrand Municipality in advance of any change in my/our bank details and accept that this authority may only be cancelled by me/us by giving thirty days notice by prepaid registered post.</p>	<p>Mna/Thina sicela/sigunyazisa uMasipala Wesithili saseOverstrand ukuba ahlawule yonke imali ezimfanelo zam/zethu kwi-akhawunti yebhanki yam/yethu.</p> <p>Ndi/Siyaqonda ukuba isiqinisekiso semali ehlawulwe ngumasipala siza kufumaneka kwaye eso siqinisekiso siza kubonisa umhla ekuhlawulwe ngawo kunye nezinye iinkcukacha zentlawulo.</p> <p>Ndi/Siya kumazisa umasipala xa iinkcukacha zebhanki yam zitshintshile kwaye ndiza kubanika isaziso seentsuku ezingama-30 ndisithumele ngeleta erejistarishiweyo.</p>
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GEMAGTIGDE HANDTEKENING / AUTHORISED SIGNATURE / USAYINO OLUGUNYAZISIWEYO	
VOORLETTERS EN VAN / INITIALS AND SUR-NAME / OONOBUMBA BOKUQALA BEGAMA KUNYE NEFANI	
TELEFOONNOMMER / TELEPHONE NUMBER / INOMBOLO YEFOWUNI	DATUM / DATE / UMHLA

VIR BANKGEBRUIK ALLEENLIK / FOR BANK USE ONLY / KUSETYENZISWA YIBHANKI KUPHELA	
<p>Ek/ons sertifiseer hiermee dat die besonderhede van ons klient se bankrekening soos aangedui op die krediet bevel instruksie korrek is:</p> <p>I/we hereby certify that the details of our clients bank account as indicated on the credit order instruction is correct:</p> <p>-Ndi/Siqinisekisa ukuba iinkcukacha zabaxhasi bethu ezibhalwe kwimiyalelo yokudiphozitha imali ilungile</p> <p>_____</p> <p>GEMAGTIGDE HANDTEKENING / AUTHORISED SIGNATURE / -Usayino olugunyazisiweyo</p>	<p>AMPTELIKE DATUMSTEMPEL / OFFICIAL DATE STAMP / - ISITAMPU SOMHLA ESISESIKWENI:</p>

DOCUMENTS REQUIRED

DOCUMENTS REQUIRED	SOLE PROPRIETOR	CC'S AND PRIVATE COMPANIES	PARTNER-SHIPS	PUBLIC COMPANY	BUSINESS TRUST	NON PROFIT ORGANIZATIONS (NPO)	WHERE TO GET DOCUMENTS
COMPANY REGISTRATION CERTIFIED COPIES	N/A	Certificate of incorporation CK1/CK2	Partnership agreement	Certificate of Incorporation CM3	Trust agreement	Certificate of Incorporation Section 21	Registrar of CC's & Companies
PROOF OF OWNERSHIP CERTIFIED COPIES	N/A	Shareholding CK1/CK2	Partnership agreement	Shareholding CM3	Trustees details: Letter of Authority	Auditor's letter no shareholding	Registrar of CC'S & Companies
PROOF OF BANKING	Bank statement/ cancelled cheque	Bank statement/ cancelled cheque	Branch of bank at which Account is.				
TAX CLEARANCE CERTIFICATE	For the Owner or the business	For the company / cc	For each individual shareholder	For the company	For the trust	For the NPO	SARS
P.A.Y.E	If staff are employed	If staff are employed	SARS				
VAT REGISTRATION	Yes	Yes	Yes	Yes	Yes	Yes	SARS
U.I.F Certificate	YES	YES, if staff remuneration	YES, if staff remuneration	Department of Labour			
Workman's Compensation	YES, if staff remuneration	YES, if staff remuneration	Department of Labour				
Security Officer's Board	If applicable –for security industry	If applicable – For security industry	Security Service Regulatory Authority				
Proof of Disability	If owner is disabled	If Shareholder is disable	If Shareholder is disabled	If Is Shareholder is disable	If Shareholder is disable	If Shareholder is disabled	
Proof of Identity CERTIFIED	Owner	Directors / Members	Partners	Directors	Trustees	Directors	

FOR OFFICE USE ONLY:			
BUSINESS NAME			
DATE RECEIVED		DATE CAPTURED	
ACCEPTED			
DATABASE REGISTRATION NUMBER			