



## NEC3 Term Service Contract (TSC3)

**Between ESKOM HOLDINGS SOC Ltd**  
**(Reg No. 2002/015527/30)**

**and [Insert at award stage]**  
**(Reg No. \_\_\_\_\_)**

**for Calibration of test and measuring equipment at**  
**Eskom Park PTM NCS & Metering for a period of 3**  
**years.**

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**CONTRACT No.**

## **PART C1:      AGREEMENTS & CONTRACT DATA**

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<b>Contents:</b>	<b>No of pages</b>
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## C1.1 Form of Offer & Acceptance

### Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

### Calibration of test and measuring equipment at Eskom Park PTM NCS & Metering for a period of 3 years.

The tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto and by submitting this Offer has accepted the Conditions of Tender.

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

Options A	The offered total of the Prices exclusive of VAT is	R [●]
	Sub total	R [●]
	Value Added Tax @ 15% is	R [●]
	The offered total of the amount due inclusive of VAT is <sup>1</sup>	R [●]
	(in words) [●]	

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Contractor* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the  
tenderer:**

(Insert name and address of organisation)

Name &  
signature of  
witness

Date

Tenderer's CIDB registration number:

<sup>1</sup> This total is required by the *Employer* for budgeting purposes only. Actual amounts due will be assessed in terms of the *conditions of contract*.

## Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Service Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

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

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

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

Signature(s)

Name(s)

Capacity

**for the  
Employer**

\_\_\_\_\_  
(Insert name and address of organisation)

Name &  
signature of  
witness

Date

Note: If a tenderer wishes to submit alternative tenders, use another copy of this Form of Offer and Acceptance.

## Schedule of Deviations to be completed by the *Employer* prior to contract award

Note:

1. This part of the Offer & Acceptance would not be required if the contract has been developed by negotiation between the Parties and is not the result of a process of competitive tendering.
2. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
3. A tenderer's covering letter must not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid be the subject of agreement reached during the process of Offer and Acceptance, the outcome of such agreement shall be recorded here and the final draft of the contract documents shall be revised to incorporate the effect of it.

No.	Subject	Details
1	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

By the duly authorised representatives signing this Schedule of Deviations below, the Employer and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the Offer agreed by the tenderer and the Employer during this process of Offer and Acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

### For the tenderer:

### For the Employer

Signature

Name

Capacity

On behalf  
of

(Insert name and address of organisation)

(Insert name and address of organisation)

Name &  
signature  
of witness

Date

## C1.2 TSC3 Contract Data

### Part one - Data provided by the *Employer*

Completion of this data in full, according to the Options chosen, is essential to create a complete contract.

Clause	Statement	Data
1	<b>General</b>	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option:	
		<b>A: Priced contract with price list</b>
	dispute resolution Option	<b>W1: Dispute resolution procedure</b>
	and secondary Options	
		<b>X1: Price adjustment for inflation</b>
		<b>X2 Changes in the law</b>
		<b>Z: Additional conditions of contract</b>
	of the NEC3 Term Service Contract April 2013 <sup>2</sup> (TSC3)	
10.1	The <i>Employer</i> is (name):	<b>Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state-owned company incorporated in terms of the company laws of the Republic of South Africa</b>
	Address	<b>Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg</b>
	Tel No.	<b>013 693 2693</b>
	E mail.	<b>ChettyPe@eskom.co.za]</b>
10.1	The <i>Service Manager</i> is (name):	<b>Mr Preggy Chetty</b>
	Address	<b>ESKOM PARK WITBANK</b>
	Tel	<b>083 375 4776</b>
	Fax	<b>NA</b>
	e-mail	<b><a href="mailto:Preggy.chetty@eskom.co.za">Preggy.chetty@eskom.co.za</a></b>
11.2(2)	The Affected Property is	<b>As indicated on the task order.</b>

<sup>2</sup> Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902 [www.ecs.co.za](http://www.ecs.co.za)

11.2(13)	The <i>service</i> is	<ul style="list-style-type: none"> <li>Calibration of Test and Measuring Equipment. Items sent in for calibration must be ready for collection within 14 calendar days from the time the equipment has been delivered to the supplier.</li> <li>Each item Calibrated must be issued with a separate Calibration Certificate with NO expiry date on the certificate.</li> </ul>
11.2(14)	The following matters will be included in the Risk Register	<ul style="list-style-type: none"> <li>Proof that the supplier is SANAS accredited</li> <li>Proof that the supplier has been accredited by SANAS to perform the relevant calibrations on the listed equipment</li> </ul>
11.2(15)	The Service Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	Seven (07) working days
2	<b>The Contractor's main responsibilities</b>	Data required by this section of the core clauses is also provided by the <i>Contractor</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data
21.1	The <i>Contractor</i> submits a first plan for acceptance within	N/A
3	<b>Time</b>	
30.1	The <i>starting date</i> is.	01 September 2025
30.1	The <i>service period</i> is	Three (03) Years
4	<b>Testing and defects</b>	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data
5	<b>Payment</b>	
50.1	The <i>assessment interval</i> is	between the [20 <sup>th</sup> – 25 <sup>th</sup> ] day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	30 days from date of invoice.
51.4	The <i>interest rate</i> is	the publicly quoted prime rate of interest (calculated on a 365-day year) charged by from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and

		(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter (and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.
6	<b>Compensation events</b>	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data
7	<b>Use of Equipment Plant and Materials</b>	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data
8	<b>Risks and insurance</b>	
80.1	These are additional <i>Employer's</i> risks	Supplier or suppliers third party providers must be SANAS accredited to calibrate the relevant Test and Measuring Equipment. Turn-around time MUST be within 14 calendar days from the time the supplier receives or collects the equipment.
9	<b>Termination</b>	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
10	<b>Data for main Option clause</b>	
A	Priced contract with price list	
11	<b>Data for Option W1</b>	
W1.1	The <i>Adjudicator</i>	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a> ). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).



W1.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the Institution of Civil Engineers (London) (see <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a> ) or its successor body.
W1.4(2)	The <i>tribunal</i> is:	arbitration
W1.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
	The place where arbitration is to be held is	Johannesburg, South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.
	- if the arbitration procedure does not state who selects an arbitrator, is	

## 12 Data for secondary Option clauses

X1	Price adjustment for inflation																
X1.1	The <i>base date</i> for indices is	(1 Month prior to Tender Closure Date)															
	The proportions used to calculate the Price Adjustment Factor are:	<table> <tr> <th>proportion</th><th>linked to index for</th><th>Index prepared by</th></tr> <tr> <td>0.85</td><td>Labour</td><td>SEIFSA Table C-3 – Actual Labour Cost -</td></tr> <tr> <td>0.</td><td></td><td></td></tr> <tr> <td>0.15</td><td>Fixed</td><td>non-adjustable</td></tr> <tr> <td>1.00</td><td></td><td></td></tr> </table>	proportion	linked to index for	Index prepared by	0.85	Labour	SEIFSA Table C-3 – Actual Labour Cost -	0.			0.15	Fixed	non-adjustable	1.00		
proportion	linked to index for	Index prepared by															
0.85	Labour	SEIFSA Table C-3 – Actual Labour Cost -															
0.																	
0.15	Fixed	non-adjustable															
1.00																	
X2	Changes in the law	There is no reference to Contract Data in this Option and terms in italics are identified elsewhere in this Contract Data.															
X18	Limitation of liability																
X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to	R0.0 (zero Rand)															
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to	the amount of the deductibles relevant to the event															
X18.5	The <i>end of liability date</i> is	[•] months after the end of the <i>service period</i> .															
X19	Task Order																

X19.5	The <i>Contractor</i> submits a Task Order programme to the <i>Service Manager</i> within	<b>Calibrations to be done within 14 days of receiving the equipment from Eskom PTM</b>
<b>Z</b>	<b>The <i>additional conditions of contract</i> are</b>	<b>Z1 to Z11 always apply</b>

## **Z1 Cession delegation and assignment**

- Z1.1 The *Contractor* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Employer*.
- Z1.2 Notwithstanding the above, the *Employer* may on written notice to the *Contractor* cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.

## **Z2 Joint ventures**

- Z2.1 If the *Contractor* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Employer* for the performance of this contract.
- Z2.2 Unless already notified to the *Employer*, the persons or organisations notify the *Service Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Contractor* on their behalf.
- Z2.3 The *Contractor* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Employer* having been given to the *Contractor* in writing.

## **Z3 Change of Broad Based Black Economic Empowerment (B-BBEE) status**

- Z3.1 Where a change in the *Contractor's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Contractor's* B-BBEE status, the *Contractor* notifies the *Employer* within seven days of the change.
- Z3.2 The *Contractor* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Service Manager* within thirty days of the notification or as otherwise instructed by the *Service Manager*.
- Z3.3 Where, as a result, the *Contractor's* B-BBEE status has decreased since the Contract Date the *Employer* may either re-negotiate this contract or alternatively, terminate the *Contractor's* obligation to Provide the Service.
- Z3.4 Failure by the *Contractor* to notify the *Employer* of a change in its B-BBEE status may constitute a reason for termination. If the *Employer* terminates in terms of this clause, the procedures on termination are P1, P2 and P4 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

## **Z4 Confidentiality**

- Z4.1 The *Contractor* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the

time of disclosure (evidenced by written records in existence at that time). Should the *Contractor* disclose information to Others in terms of clause 25.1, the *Contractor* ensures that the provisions of this clause are complied with by the recipient.

Z4.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Service Manager*.

Z4.3 In the event that the *Contractor* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Contractor*, to the extent permitted by law prior to disclosure, notifies the *Employer* so that an appropriate protection order and/or any other action can be taken, if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Contractor* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.

Z4.4 The taking of images (whether photographs, video footage or otherwise) of the Affected Property or any portion thereof, in the course of Providing the Service and after the end of the *service period*, requires the prior written consent of the *Service Manager*. All rights in and to all such images vests exclusively in the *Employer*.

Z4.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

**Z5 Waiver and estoppel: Add to core clause 12.3:**

Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Service Manager* or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

**Z6 Health, safety and the environment: Add to core clause 27.4**

Z6.1 The *Contractor* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the *service*. Without limitation the *Contractor*:

- accepts that the *Employer* may appoint him as the "Principal Contractor" (as defined and provided for under the Construction Regulations 2014 (promulgated under the Occupational Health & Safety Act 85 of 1993) ("the Construction Regulations") for the Affected Property;
- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with the Construction Regulations, all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of the *service*; and
- undertakes, in and about the execution of the *service*, to comply with the Construction Regulations and with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Contractor's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Contractor*, in and about the execution of the *service*, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Contractor's* direction and control, likewise observe and comply with the foregoing.

**Z7 Provision of a Tax Invoice and interest. Add to core clause 51**

Z7.1 Within one week of receiving a payment certificate from the *Service Manager* in terms of core clause 51.1, the *Contractor* provides the *Employer* with a tax invoice in accordance with the *Employer's* procedures stated in the Service Information, showing the amount due for payment

equal to that stated in the payment certificate.

Z7.2 If the *Contractor* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Employer* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Employer* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z7.3 The *Contractor* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Employer's* VAT number 4740101508 on each invoice he submits for payment.

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## **Z8        Notifying compensation events**

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Z8.1 If the *Contractor* does not notify a compensation event within eight weeks of becoming aware of the event, he is not entitled to a change in the Prices.

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## **Z11        Ethics**

For the purposes of this Z-clause, the following definitions apply:

**Affected Party** means, as the context requires, any party, irrespective of whether it is the *Contractor* or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,

**Coercive Action** means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,

**Collusive Action** means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,

**Committing Party** means, as the context requires, the *Contractor*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,

**Corrupt Action** means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,

**Fraudulent Action** means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,

**Obstructive Action** means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and

**Prohibited Action** means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

Z11.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.

Z11.2 The *Employer* may terminate the *Contractor's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Contractor* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Employer* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Employer* can terminate the *Contractor's* obligation to Provide the Services for this reason.

Z11.3 If the *Employer* terminates the *Contractor's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.

Z11.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Employer* does not have a contractual bond with the Committing Party, the *Contractor* ensures that the Committing Party co-operates fully with an investigation.

## Z12 Insurance

### Insurance cover 83

- 83.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.
- 83.2 The *Contractor* provides the insurances stated in the Insurance Table A from the *starting date* until the earlier of Completion and the date of the termination certificate.

**INSURANCE TABLE A**

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage caused by the <i>Contractor</i> to the <i>Employer's</i> property	The replacement cost where not covered by the <i>Employer's</i> insurance.  The <i>Employer's</i> policy deductible as at Contract Date, where covered by the <i>Employer's</i> insurance.
Loss of or damage to Plant and Materials	The replacement cost where not covered by the <i>Employer's</i> insurance.  The <i>Employer's</i> policy deductible as at Contract Date, where covered by the <i>Employer's</i> insurance.
Loss of or damage to Equipment	The replacement cost where not covered by the <i>Employer's</i> insurance.  The <i>Employer's</i> policy deductible as at Contract Date, where covered by the <i>Employer's</i> insurance.
The <i>Contractor's</i> liability for loss of or damage to property (except the <i>Employer's</i> property, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i> ) arising from or in connection with the <i>Contractor's</i> Providing the Service	<b><u>Loss of or damage to property</u></b> The replacement cost  <b><u>Bodily injury to or death of a person</u></b> The amount required by the applicable law.
Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law

**Insurance  
by the  
Employer**

86

86.1 The *Employer* provides the insurances stated in the Insurance Table B

**INSURANCE TABLE B**

<b>Insurance against or name of policy</b>	<b>Minimum amount of cover or minimum limit of indemnity</b>
Assets All Risk	Per the insurance policy document
Contract Works insurance	Per the insurance policy document
Environmental Liability	Per the insurance policy document
General and Public Liability	Per the insurance policy document
Transportation (Marine)	Per the insurance policy document
Motor Fleet and Mobile Plant	Per the insurance policy document
Terrorism	Per the insurance policy document
Cyber Liability	Per the insurance policy document
Nuclear Material Damage and Business Interruption	Per the insurance policy document
Nuclear Material Damage Terrorism	Per the insurance policy document

## C1.2 Contract Data

### Part two - Data provided by the *Contractor*

#### Notes to a tendering contractor:

1. Please read both the both the NEC3 Term Service Contract April 2013 and the relevant parts of its Guidance Notes (TSC3-GN)<sup>3</sup> in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left-hand column for each statement however other clauses may also use the same data.
3. Where a form field like this [ ] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise, complete by hand and in ink.

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Clause	Statement	Data
10.1	The <i>Contractor</i> is (Name): Address Tel No. Fax No.	
24.1	The key people are: 1 Name: Job: Responsibilities: Qualifications: Experience: 2 Name: Job Responsibilities: Qualifications: Experience:	
CV's (and further key person's data including CVs) are in .		

<b>A</b>	<b>Priced contract with price list</b>	
11.2(12)	The <i>price list</i> is in	<b>Part 2 – Pricing Data – C2.2 – The Price List</b>
11.2(19)	The tendered total of the Prices is	<b>R</b>

<sup>3</sup> Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 5391902 or [www.ecs.co.za](http://www.ecs.co.za)

**PART 2: PRICING DATA**  
**TSC3 Option A**

Document reference	Title	No of pages
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## C2.1 Pricing assumptions: Option A

### How work is priced and assessed for payment

Clause 11 in NEC3 Term Service Contract (TSC3) core clauses and Option A states:

<b>Identified and defined terms</b>	11	
	11.2	(12) The Price List is the <i>price list</i> unless later changed in accordance with this contract.
		(17) The Price for Services Provided to Date is the total of <ul style="list-style-type: none"><li>the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed and</li><li>where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the <i>Contractor</i> has completed by the rate.</li></ul>
		(19) The Prices are the amounts stated in the Price column of the Price List. Where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.

This confirms that Option A is a priced contract where the Prices are derived from a list of items of service which can be priced as lump sums or as expected quantities of service multiplied by a rate or a mix of both.

### Function of the Price List

Clause 54.1 in Option A states: "Information in the Price List is not Service Information". This confirms that instructions to do work or how it is to be done are not included in the Price List but in the Service Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Service in accordance with the Service Information". Hence the *Contractor* does **not** Provide the Service in accordance with the Price List. The Price List is only a pricing document.

### Link to the *Contractor's* plan

Clause 21.4 states "The *Contractor* provides information which shows how each item description on the Price List relates to the operations on each plan which he submits for acceptance". Hence when compiling the *price list*, the tendering contractor needs to develop his first clause 21.2 plan in such a way that operations shown on it can be priced in the *price list* and result in a satisfactory cash flow in terms of clause 11.2(17).

### Preparing the *price list*

Before preparing the *price list*, both the *Employer* and tendering contractors should read the TSC3 Guidance Notes pages 14 and 15. In an Option A contract, either Party may have entered items into the *price list* either as a process of offer and acceptance (tendering) or by negotiation depending on the nature of the service to be provided. Alternatively, the *Employer*, in his Instructions to Tenderers or in a Tender Schedule, may have listed some items that he requires the *Contractor* to include in the *price list* to be prepared and priced by him.

It is assumed that in preparing or finalising the *price list* the *Contractor*:

- Has taken account of the guidance given in the TSC3 Guidance Notes relevant to Option A;
- Understands the function of the Price List and how work is priced and paid for;
- Is aware of the need to link operations shown in his plan to items shown in the Price List;
- Has listed and priced items in the *price list* which are inclusive of everything necessary and incidental to Providing the Service in accordance with the Service Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk;

- Has priced work he decides not to show as a separate item within the Prices or rates of other listed items in order to fulfil the obligation to complete the *service* for the tendered total of the Prices.
- Understands there is no adjustment to items priced as lump sums if the amount, or quantity, of work within that item later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the (lump sum) Prices is as a result of a compensation event.

### **Format of the *price list***

(From the example given in an Appendix within the TSC3 Guidance Notes)

Entries in the first four columns in the *price list* in section C2.2 are made either by the *Employer* or the tendering contractor.

If the *Contractor* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering contractor enters the amount in the Price column only, the Unit, Expected Quantity and Rate columns being left blank.

If the *Contractor* is to be paid an amount for an item of work which is the rate for the work multiplied by the quantity completed, the tendering contractor enters the rate which is then multiplied by the Expected Quantity to produce the Price, which is also entered.

If the *Contractor* is to be paid a Price for an item proportional to the length of time for which a service is provided, a unit of time is stated in the Unit column and the expected length of time (as a quantity of the stated units of time) is stated in the Expected Quantity column.

## C2.2 the *price list*

Item nr	Description	Unit	QTY	Price
10	Agilent (HP) 33120A Function Generator	Ea.	6	
20	Agilent 33220A Frequency Generator	Ea.	7	
30	Agilent 54622A Oscilloscope	Ea.	6	
40	Agilent 54622D OSCILLOSCOPE	Ea.	6	
50	Agilent 54641A OSCILLOSCOPE	Ea.	6	
60	Ametek Jofra CTC320B Dry Block Calibrator	Ea.	7	
70	Anton Paar DMA TM 35, Portable Density and Concentration Meter	Ea.	5	
80	Appa 55 Thermometer	Ea.	11	
90	Avo 7 Analogue Meter	Ea.	5	
100	Avo 8 Analogue Meter	Ea.	7	
110	Avo 8 MK 5 Analogue Meter	Ea.	6	
120	Avo Biddle SD3000 Surge Detector	Ea.	6	
130	Avo BM222 MEGGAR	Ea.	5	
140	Avo BM223 Megger	Ea.	6	
150	Avo BM25 Megger	Ea.	10	
160	Avo BM400-2 Megger	Ea.	7	
170	Avo Clamp Meter	Ea.	5	
180	Avo DCM1000 Clamp Meter	Ea.	5	
190	Avo DCM2039 MeggerAC/DC Current Clamp	Ea.	6	
200	Avo DCM300E Megger Earth Leakage Clamp	Ea.	6	
210	Avo DLRO10X DUCTER	Ea.	6	
220	Avo M806 Digital Multimeter	Ea.	5	
230	Avo Megger BM222 Insulation Tester	Ea.	5	
240	Avo Megger BM25 Insulation Tester	Ea.	5	
250	Avo Megger BM400/2, Insulation Tester	Ea.	5	
260	Avo Megger BM80 Insulation Tester	Ea.	5	
270	Avo Megger DCM2039 AC/DC Current Clamp	Ea.	5	
280	Avo Megger DCM300E Earth Leakage Clamp	Ea.	5	
290	Avo METER	Ea.	5	

300	Avo MK 7 Analogue Meter	Ea.	6	
310	Avo PAT4DV Appliance Tester	Ea.	5	
320	Avo Pulsar 10ETEG-2/50 Universal Test	Ea.	5	
330	Avo PULSAR UNIVERSAL TEST SYSTEMS	Ea.	6	
340	Avo SST-9203 Timer	Ea.	7	
350	Avo TDR1000/2 Time Domain Reflectometer	Ea.	6	
360	Avo TDR2000/2 REFLECTO METER	Ea.	6	
370	Avo TESTER INSULATION	Ea.	5	
380	BIDDLE Instrument, Megger	Ea.	6	
390	BIDDLE METER RATIO	Ea.	6	
400	BIDDLE TTR	Ea.	6	
410	Bird 43 Thruline Watt meter	Ea.	5	
420	Bird 4304A Thruline Watt meter	Ea.	5	
430	BIRD WATTMETER	Ea.	6	
440	Bosch DLE70 Professional	Ea.	6	
450	Catu CL-1-06 Piezotest:	Ea.	11	
460	Chauvin Arnoux CA 6250 Micro ohm meter	Ea.	7	
470	Chauvin Arnoux F607 Power Harmonics Meter	Ea.	6	
480	Clarke-Hess 6000A Phase Meter	Ea.	6	
490	Clip-On Meter	Ea.	10	
500	Coprico DO4A Ohm meter	Ea.	5	
510	Coprico Ohm Meter	Ea.	6	
520	CTC 320B Dryblock Calibrator	Ea.	6	
530	Dataq DI-730-EN-B Recorder	Ea.	6	
540	DCM2000P Current Clamp	Ea.	5	
550	Denver M1.UB Clamp Adapter	Ea.	7	
560	Digistand 6705 Calibrator	Ea.	19	
570	Digistant Calibrator	Ea.	5	
580	Doble M4100 Insulation Analyser	Ea.	9	
590	Doble M4110 Leakage Reactance Interface	Ea.	10	
600	Doble M5200 Sweep Frequency Response Analyzer	Ea.	6	
610	Doble M5400 Sweep Frequency Response Analyzer	Ea.	7	
620	Doble SWEEP FREQUENCY	Ea.	7	

630	DP-25 Differential Probe	Ea.	7	
640	DPI 4000TU TESTER	Ea.	6	
650	Dranetz 314 Phase Angle Meter	Ea.	5	
660	Dranetz 325 Polymeter	Ea.	6	
670	Dranetz 4400 Power Guide	Ea.	5	
680	Dranetz METER PHASE	Ea.	6	
690	Dranetz Poly Meter	Ea.	6	
700	Dranetz Power Analyzer	Ea.	6	
710	Dranetz Power Meter	Ea.	5	
720	Dranetz PP1 Power Platform	Ea.	1	
730	Ducter DLRO 10X Digital Low Resistance Ohm meter	Ea.	7	
740	DV Power RMO50TW, Winding Ohm Meter	Ea.	5	
750	DV Power TW40D, Tap Changer & Winding Analyser	Ea.	5	
760	Dvpower RMO50TW Winding Ohm Meter	Ea.	7	
770	DVPower TW40D Tap Changer & Winding Analyzer	Ea.	6	
780	Epoch MULTI AMP TEST SET	Ea.	6	
790	Epoch Test Set	Ea.	5	
800	EPOCH TEST SET Multi-Amp - V	Ea.	10	
810	Epoch V Timer	Ea.	6	
820	EURO SMS-PME100 MICRO OHM METER	Ea.	6	
830	Extech 10 Thermometer	Ea.	12	
840	Extech 380260 DIGITAL MEGRO OHM METER:	Ea.	19	
850	Extech 380974 Clamp Meter	Ea.	10	
860	Extech 380976 Clamp Meter	Ea.	7	
870	Extech 407123 Hot Wire Anemo meter	Ea.	5	
880	Extech 420 Multi meter	Ea.	11	
890	Extech 430 Multi Merter	Ea.	6	
900	Extech 470 Multi meter	Ea.	17	
910	Extech DL160 AC Voltage Current Datalogger	Ea.	6	
920	Extech Easyview Dual k TM10 Thermo meter	Ea.	8	
930	Extech HOT WIRE ANEMO METER	Ea.	8	
940	Extech MA200 Clamp Meter	Ea.	24	
950	Extech RH520 Humidity and Temperature Recorder	Ea.	6	

960	Extech TM10 Thermometer Meter	Ea.	9	
970	Extech TM10 Thermostatic Meter	Ea.	5	
980	Fameca Tag 2000 Electronic Voltage Detector	Ea.	12	
990	Fameca TR275 HV Test Stick	Ea.	6	
1000	Fameca Voltage Detector	Ea.	8	
1010	Fault Wizard High Voltage Instrument	Ea.	6	
1020	FLIR INFRACAM	Ea.	6	
1030	Fluke 87 III Multi Meter	Ea.	5	
1040	Fluke 114 Multi meter	Ea.	9	
1050	Fluke 119C Clamp on Meter	Ea.	5	
1060	Fluke 12 DIGITAL Multi meter	Ea.	6	
1070	Fluke 123 Scope Meter	Ea.	7	
1080	Fluke 1400S AC Current Clamp	Ea.	7	
1090	Fluke 1503 INSULATION TESTER	Ea.	13	
1100	Fluke 1507 Insulation Tester	Ea.	6	
1110	Fluke 1550B Insulation Tester	Ea.	5	
1120	Fluke 1555 Insulation Tester	Ea.	6	
1130	Fluke 1587 Insulation Tester	Ea.	10	
1140	Fluke 1652 Multifunction Tester	Ea.	6	
1150	Fluke 1653 Multifunction Tester	Ea.	5	
1160	Fluke 1654B Multifunction Tester	Ea.	6	
1170	Fluke 175 DIGITAL Multi meter	Ea.	17	
1180	Fluke 177 Multi meter	Ea.	10	
1190	Fluke 179 Multi meter	Ea.	14	
1200	Fluke 187 DIGITAL Multi meter	Ea.	61	
1210	Fluke 189 Multi meter	Ea.	12	
1220	Fluke 190 Oscilloscope	Ea.	9	
1230	Fluke 190-202 Scope meter	Ea.	6	
1240	Fluke 190-204 Scope meter	Ea.	6	
1250	Fluke 196 SCOPE	Ea.	6	
1260	Fluke 196B Oscilloscope	Ea.	6	
1270	Fluke 196C Scope Meter	Ea.	7	
1280	Fluke 199B Scope	Ea.	5	

1290	Fluke 199C Oscilloscope	Ea.	13	
1300	Fluke 199C Scope	Ea.	5	
1310	Fluke 2176A 84 Thermo meter	Ea.	5	
1320	Fluke 2176A THERMOMETER DIG	Ea.	6	
1330	Fluke 2343 Clamp Meter	Ea.	5	
1340	Fluke 27 Multi meter	Ea.	7	
1350	Fluke 287 Multi meter	Ea.	6	
1360	Fluke 289 Multi meter	Ea.	11	
1370	Fluke 322 Clamp Meter	Ea.	7	
1380	Fluke 333 Clamp Meter	Ea.	10	
1390	Fluke 336 Ammeter	Ea.	22	
1400	Fluke 337 Clamp Meter	Ea.	7	
1410	Fluke 360 Leakage Clamp	Ea.	6	
1420	Fluke 374 Camp Meter	Ea.	7	
1430	Fluke 374 Camp Meter	Ea.	5	
1440	Fluke 376 Clamp Meter	Ea.	36	
1450	Fluke 381 Clamp Meter	Ea.	11	
1460	Fluke 43B Power Quality Analyzer	Ea.	7	
1470	Fluke 52120A Transconductance Amplifier	Ea.	6	
1480	Fluke 5220A AMPLIFIER	Ea.	6	
1490	Fluke 5320A Multifunction Calibrator	Ea.	6	
1500	Fluke 5520A CALIBRATOR	Ea.	6	
1510	Fluke 5522A Calibrator	Ea.	6	
1520	Fluke 5700A CALIBRATOR	Ea.	6	
1530	Fluke 707 LOOP CALIBRATOR	Ea.	6	
1540	Fluke 715 V/mA Calibrator	Ea.	11	
1550	Fluke 724 Temperature Calibrator	Ea.	6	
1560	Fluke 73 III Multi meter	Ea.	6	
1570	Fluke 73 Multi meter	Ea.	6	
1580	Fluke 732 REFERENCE STANDARD	Ea.	6	
1590	Fluke 732A Reference Standard	Ea.	5	
1600	Fluke 741B CALIBRATOR	Ea.	6	
1610	Fluke 742A (1 Ohm & 10 kOhm)	Ea.	5	

1620	Fluke 743B Process Calibrator	Ea.	7	
1630	Fluke 744 Calibrator	Ea.	6	
1640	Fluke 744B Process calibrator	Ea.	5	
1650	Fluke 746B Calibrator	Ea.	5	
1660	Fluke 75 Multimeter	Ea.	7	
1670	Fluke 77 Digital Multi meter	Ea.	37	
1680	Fluke 77 II Multi Meter	Ea.	5	
1690	Fluke 77 Multi Meter	Ea.	5	
1700	Fluke 771 Milliamp Process Clamp Meter	Ea.	6	
1710	Fluke 771 Milliamp Process Clamp Meter	Ea.	5	
1720	Fluke 773, CLAMP ON	Ea.	6	
1730	Fluke 787 Multi meter	Ea.	23	
1740	Fluke 787 Process meter	Ea.	5	
1750	Fluke 789 Process meter	Ea.	6	
1760	Fluke 8010A Multi meter	Ea.	6	
1770	Fluke 8020A Digital Multi meter	Ea.	7	
1780	Fluke 8021B Multi meter	Ea.	6	
1790	Fluke 8022B Multi meter	Ea.	7	
1800	Fluke 8024A DIGITAL Multi meter	Ea.	6	
1810	Fluke 8026B Digital Multi meter	Ea.	10	
1820	Fluke 8060A DIGITAL Multi meter	Ea.	8	
1830	Fluke 80i-400 AC Current Probe	Ea.	7	
1840	Fluke 80I-600 TRANSFORMER CURRENT	Ea.	6	
1850	Fluke 80K-40 High Voltage Probe	Ea.	6	
1860	Fluke 8508A Reference Meter	Ea.	7	
1870	Fluke 863 Graphical Multi meter	Ea.	6	
1880	Fluke 867B Graphical Meter	Ea.	5	
1890	Fluke 87 1587 Insulation Multi meter	Ea.	6	
1900	Fluke 87 III Digital Multi meter	Ea.	22	
1910	Fluke 87 IV Multi meter	Ea.	12	
1920	Fluke 87 Multi meter	Ea.	88	
1930	Fluke 87 V DIGITAL Multi meter	Ea.	228	
1940	Fluke 8842A Multi meter	Ea.	6	



1950	Fluke 89 IV Multi meter	Ea.	7	
1960	Fluke 9040 Phase Rotation Meter:	Ea.	6	
1970	Fluke 99B Scope meter	Ea.	7	
1980	Fluke A40B-50A Precision Current Shunt	Ea.	6	
1990	Fluke CT 80-I 600 Clamp Meter	Ea.	5	
2000	Fluke i1010 AC/DC Current Clamp	Ea.	6	
2010	Fluke i200 Clamp-On Ampmeter	Ea.	6	
2020	Fluke i300s AC/DC Current Clamp	Ea.	6	
2030	Fluke IP54 Infrared Thermo meter	Ea.	8	
2040	Fluke NORMA D4000 POWER ANALYZER	Ea.	6	
2050	Fluke PM6306 RCL Meter	Ea.	5	
2060	Fluke RESISTOR STANDARD	Ea.	7	
2070	Fluke Ti400 Thermal Imager	Ea.	6	
2080	Fluke V Multimeter	Ea.	5	
2090	Fluke Y8101A Clamp Meter	Ea.	6	
2100	Fluke, Scope Meter	Ea.	5	
2110	Freja 300 Programma Cal Box	Ea.	5	
2120	Genrad 1659 LCR Bridge	Ea.	5	
2130	GENRAD BRIDGE LCR	Ea.	6	
2140	Glassmann Series EH DC Power Supply	Ea.	5	
2150	GLASSMANN SUPPLY DC POWER	Ea.	6	
2160	Gould DSO1604 Oscilloscope	Ea.	6	
2170	Gould Oscilloscope	Ea.	6	
2180	Guissani Block Calibrator	Ea.	6	
2190	Guissani Pyros Thermostatic Calibrator	Ea.	5	
2200	H V Test LTCA-10 Transformer Winding Resistance Meter	Ea.	7	
2210	H.W Sullivan 43287 Decade Box	Ea.	5	
2220	Hars-X Decade Box	Ea.	6	
2230	HARS-X-9 Decade Box	Ea.	5	
2240	Hart 1620 Hart Scientific Thermo-Hygro meter (with 1 Sensor)	Ea.	6	
2250	Hart 1620A Hart Scientific Thermo-Hygro meter (with 1 Sensor)	Ea.	5	
2260	Hart 2626-H Thermo-Sensor	Ea.	6	
2270	Hewlett Packard 33120A Function Gen	Ea.	6	

2280	Hewlett Packard 34401A Multi meter	Ea.	13	
2290	Hewlett Packard 54501A Oscilloscope	Ea.	11	
2300	Hewlett Packard Oscilloscope	Ea.	5	
2310	Hipotronics Insulation Tester	Ea.	5	
2320	Hipotronics MB10 Low Resistance Meter	Ea.	6	
2330	Hipotronics Megger	Ea.	6	
2340	Hipotronics METER LOW RESISTANCE	Ea.	6	
2350	Hipotronics METER OHM	Ea.	6	
2360	HOMEMADE AC CURRENT SHUNT	Ea.	6	
2370	HV Diagnostics Inc HVA TESTER	Ea.	6	
2380	HV Test LTCA-10, Transformer Winding Resistance Meter	Ea.	5	
2390	HV Test Stick 132 KV	Ea.	6	
2400	HVA 30 Universal Tester	Ea.	7	
2410	HVA Universal VLF & DC HV Test System	Ea.	5	
2420	ISA CT1000 Relay Tester	Ea.	5	
2430	ISA STS5000 STS Substation Test Set	Ea.	6	
2440	ISA T1000-Plus Relay Test Set	Ea.	6	
2450	ISO Tech 6600 Clamp Meter	Ea.	5	
2460	ISO Tech Dry block Calibrator	Ea.	5	
2470	ISO Tech ICA32N AC/DC Current Transduce	Ea.	5	
2480	ISO Tech IDM305, MULTI METER	Ea.	5	
2490	ISO TECK 6600 AC Clampon	Ea.	6	
2500	ISO TECK ICA32N AC/DC Transducer	Ea.	6	
2510	ISO TECK IDM305 Multi meter	Ea.	8	
2520	Isotech Dry Block Calibrator	Ea.	6	
2530	Isurance OOBZ44 Meter Level	Ea.	6	
2540	Jofra 200 S-2 Dry Block Calibrator	Ea.	6	
2550	Jofra ATC-140A Dry Block	Ea.	6	
2560	Jofra CTC320B Dry Block Calibrator	Ea.	6	
2570	Keithley 130A Meter Multi	Ea.	5	
2580	KEITHLEY 580 METER MICRO OHM	Ea.	6	
2590	KoCos 320 Three Phase Measurement Test Set	Ea.	10	
2600	KoCos ACTAS P6 Advanced Circuit Breaker	Ea.	7	

2610	KoCos CE10 Inculation Tester	Ea.	6	
2620	KoCos Promet 100 Precision Ohm Meter	Ea.	6	
2630	Kyoritsu 2009R Clamp Meter	Ea.	5	
2640	Kyoritsu 8113 AC/DC Clamp Adaptor	Ea.	13	
2650	Kyoritsu 8113 AC/DC Clamp Adaptor	Ea.	5	
2660	Kyoritu 2009R AC/DC Clamp Meter	Ea.	7	
2670	LEADER 745 LCR METER	Ea.	6	
2680	Leader 745 RCL Meter	Ea.	5	
2690	Lem Heme LH41 Clamp Meter	Ea.	6	
2700	Lem Heme Power Meter	Ea.	5	
2710	Lem Heme PR1530 Current Probe	Ea.	6	
2720	Lem Heme PR30 Current Probe	Ea.	7	
2730	Lion Mount RD4 Decade Box	Ea.	5	
2740	LION MOUNT RESISTANCE BOX	Ea.	6	
2750	LLOYD Decade Resistance Box	Ea.	6	
2760	Lutron DI-6200 Insulation Tester	Ea.	5	
2770	Lutron DM6016 Multi meter	Ea.	6	
2780	Lutron Insulation Tester	Ea.	8	
2790	Mag Curve Box Test Set	Ea.	7	
2800	Major MT1885 IV Multi meter	Ea.	7	
2810	Major MT560 Insulation Tester	Ea.	9	
2820	Major MT570 Insulation Tester	Ea.	6	
2830	Major MT635 II Thermo meter	Ea.	7	
2840	Major MT635 Thermo meter	Ea.	6	
2850	Major MT720 Clamp Meter	Ea.	7	
2860	Major MT723 Clamp Meter	Ea.	6	
2870	Major MT725 Clamp Meter	Ea.	5	
2880	Major MT790 Clamp Meter	Ea.	6	
2890	Major MT877 Multi meter	Ea.	6	
2900	Major S1-5010 TESTER INSULATION	Ea.	6	
2910	Major Tech 2009A Clamp Meter	Ea.	6	
2920	Major Tech Insulation Tester	Ea.	7	
2930	Major Tech MT560 Insulation Tester	Ea.	7	

2940	Mecilec Function Generator	Ea.	5	
2950	Mecilec mA Injection Set	Ea.	6	
2960	Megger 221 TESTER INSULATION	Ea.	6	
2970	Megger 5kV Insulation Tester	Ea.	7	
2980	Megger BM101 Insulation Tester	Ea.	6	
2990	Megger BM101/2 Insulation Tester	Ea.	5	
3000	Megger BM101/3, Insulation Tester	Ea.	5	
3010	Megger BM11 Insulation Tester	Ea.	6	
3020	Megger BM11D INSULATION TESTER	Ea.	8	
3030	Megger BM25 Megger	Ea.	7	
3040	Megger BM400/2 Insulation Tester	Ea.	5	
3050	Megger BM6 Insulation Tester	Ea.	8	
3060	Megger BM80 1000V INSULATION TESTER	Ea.	6	
3070	Megger BM80 INSULATION TESTER	Ea.	6	
3080	Megger BMM2580 Insulation Tester	Ea.	5	
3090	Megger DCM1000P Clamp Meter	Ea.	6	
3100	Megger DCM2000P CURRENT CLAMP	Ea.	6	
3110	Megger DCM2039 Clip-On	Ea.	6	
3120	Megger DCM300E Earth Leakage Clamp	Ea.	5	
3130	Megger DLRO 10X Low Resistance Ohm meter	Ea.	8	
3140	Megger DLRO10HD Digital Low Resistance Ohm meter	Ea.	6	
3150	Megger DLRO10X Low OHM Ducter Meter (Avo)	Ea.	5	
3160	Megger DLRO600 Low Resistance Ohm meter	Ea.	6	
3170	Megger DLRO-BT51 Ohmmeter	Ea.	5	
3180	Megger IDAX300 Insulation Diagnostic Analyzer	Ea.	6	
3190	Megger Insulation Tester	Ea.	6	
3200	Megger MEG 10-01 Megger DIGITAL	Ea.	6	
3210	Megger MF1502 INSULATION TESTER	Ea.	6	
3220	Megger MF1502 Insulation Tester	Ea.	5	
3230	Megger MFT1502/2 Multi Function Tester	Ea.	6	
3240	Megger MILLIOHM METER	Ea.	6	
3250	Megger MIT1020 Insulation Tester	Ea.	5	
3260	Megger MIT1020/2 Insulation Tester	Ea.	5	

3270	Megger MIT1025 Insulation Tester	Ea.	5	
3280	Megger MIT300 Insulation Tester	Ea.	5	
3290	Megger MIT310 INSULATION TESTER	Ea.	7	
3300	Megger MIT310A Insulation Tester	Ea.	7	
3310	Megger MIT320 Insulation Tester	Ea.	30	
3320	Megger MIT330 Insulation Tester	Ea.	6	
3330	Megger MIT400 Insulation Tester	Ea.	6	
3340	Megger MIT400 Insulation Tester	Ea.	5	
3350	Megger MIT400 Megger	Ea.	6	
3360	Megger MIT400EN INSULATION TESTER	Ea.	6	
3370	Megger MIT410 Insulation Tester	Ea.	6	
3380	Megger MIT500 Insulation Tester	Ea.	5	
3390	Megger MIT510 Insulation Tester	Ea.	9	
3400	Megger MIT510/2 Insulation Tester (5 kV)	Ea.	13	
3410	Megger MIT515 Insulation Tester	Ea.	9	
3420	Megger MIT520 Insulation Tester	Ea.	5	
3430	Megger MIT520/2 Insulation Tester	Ea.	11	
3440	Megger MIT520/2 Insulation Tester	Ea.	5	
3450	Megger MIT525 Insulation Tester	Ea.	7	
3460	Megger MOM2 Microhmmeter	Ea.	6	
3470	Megger MT500 TESTER INSULATION	Ea.	7	
3480	Megger MT525 Insulation Tester	Ea.	6	
3490	Megger S1-5005 TESTER INSULATION	Ea.	6	
3500	Megger S1-5010 Megger	Ea.	6	
3510	Megger Series 1, Insulation Tester	Ea.	5	
3520	Megger TDR1000/2 Time Domain Reflectometer	Ea.	5	
3530	Megger TDR2000/2 Reflecto meter	Ea.	5	
3540	Megger TESTER INSUALTION	Ea.	7	
3550	Megger Three Phase TTR	Ea.	8	
3560	Megger Three Phase TTR310	Ea.	5	
3570	Megger Three-Phase TTR	Ea.	5	
3580	Megger TM1800 Breaker Analyser	Ea.	5	
3590	Megger TTR310 Insulation Tester	Ea.	6	

3600	Metek Calibrator	Ea.	6	
3610	Metek CTC-320B Thermostatic Calibrator	Ea.	5	
3620	Metek Jofra 200 S-2 Dry block Calibrator	Ea.	5	
3630	Metek Jofra ATC-140A DRY BLOCK CALIBRATOR	Ea.	6	
3640	Metek Jofra CTC320B Dry block Calibrator	Ea.	5	
3650	METER PHASE ANGLE	Ea.	6	
3660	Metrel 5 kV Insulation Tester	Ea.	5	
3670	METREL INSULATION TESTER	Ea.	6	
3680	Metriso 5000A Insulation Tester	Ea.	7	
3690	MICRO METER	Ea.	6	
3700	Micro OHM meter MPK 253	Ea.	6	
3710	Multi Amp 820130 Transformer Ratiometer	Ea.	5	
3720	Multi Amp CTER-88-E Timer	Ea.	5	
3730	Multi Amp Epoch Secondary Injection Set	Ea.	5	
3740	Multi Amp PAM-275B-E Phase Angle Meter	Ea.	5	
3750	Multi Amp SST-2 Timer	Ea.	5	
3760	Multi Amp SST-2-E Timer	Ea.	5	
3770	Multi Amp SST-9203 Timer	Ea.	5	
3780	Multi Amp Timer Epoch V	Ea.	5	
3790	Multi-Amp Phase Angle Meter	Ea.	6	
3800	Multi-Amp SST-9203 TIMER	Ea.	6	
3810	Multi-Amp TIMER MULTI AMP	Ea.	10	
3820	NAGMAN 350H2 Temp Calibrator	Ea.	6	
3830	Ohm Meter Ducter DLRO 10X Digital Low Resistance	Ea.	5	
3840	Ohm Meter DV Power RMO50TW Winding	Ea.	5	
3850	Ohm Meter EURO SMS-PME100, Micro	Ea.	5	
3860	Ohm Meter MPK253 Micro Meter	Ea.	5	
3870	Omicron CMC151 INJECTOR 1 0	Ea.	7	
3880	Omicron CMC156 Omicron	Ea.	8	
3890	Omicron CMC256 Plus Secondary Injection Set	Ea.	34	
3900	Omicron CMC356 Secondary Injection Test Set	Ea.	7	
3910	Omicron CMGPS	Ea.	6	
3920	Omicron CP TD1 Booster Interfase	Ea.	7	

3930	Omicron CP100	Ea.	28	
3940	Omicron CPC256-6 SECONDARY INJECTION TESTS SET	Ea.	6	
3950	Omicron CPOL	Ea.	6	
3960	Omicron CPTD1, Booster Interphase	Ea.	5	
3970	Omicron CT Analyser	Ea.	15	
3980	Omicron CT1 CT Analyzer	Ea.	6	
3990	Omicron DIRANA	Ea.	7	
4000	Omicron FR1	Ea.	5	
4010	Omicron FR1 Franalyzer	Ea.	6	
4020	Omicron FR1 Franalyzer	Ea.	5	
4030	Omicron Injector Secondary	Ea.	6	
4040	Oscilloscope 196B	Ea.	5	
4050	Philips DM6202 RCL Meter	Ea.	5	
4060	Philips PM2525 Multi meter	Ea.	13	
4070	Phillips 2525 Multi Meter	Ea.	5	
4080	Programma Digital Timer	Ea.	6	
4090	Programma Freja 300	Ea.	6	
4100	Programma FREJA CAL. BOX	Ea.	6	
4110	Programma Timer	Ea.	9	
4120	Programma TM-2 Timer	Ea.	6	
4130	Programma TM200 Timer	Ea.	6	
4140	Prova CM03 Leakage Current Tester	Ea.	7	
4150	Pulsar Dry Blow Calibrator	Ea.	6	
4160	Pulsar Dryblock Calibrator	Ea.	6	
4170	Pulsar Thermostatic Calibrator	Ea.	5	
4180	Pyros Thermostatic Calibrator	Ea.	8	
4190	Racal Dana 9232 Power Supply	Ea.	5	
4200	RACAL DANA SUPPLY POWER	Ea.	6	
4210	Raytech TR-Mark II	Ea.	5	
4220	Raytech TR-Mark III 3-Phase Transformer Tunes Ratio meter	Ea.	6	
4230	Raytech TR-Mark III Turns Ratio Meter	Ea.	6	
4240	Raytech TR-Mark III, 3-Phase Transformer Tunes Ratio meter	Ea.	5	
4250	Raytek MX Thermo meter	Ea.	5	

4260	Raytek MX6 Infrared Thermo meter	Ea.	5	
4270	Raytek ST Thermo meter	Ea.	5	
4280	Raytek THERMO METER	Ea.	6	
4290	Raytek Ti30 Thermo meter	Ea.	6	
4300	Resistor Yokogawa/Guideline/Fluke (11 Standard esistance) (2 Sets)	Ea.	5	
4310	Rhode & Schwartz FUNCTION GEN	Ea.	7	
4320	Rhode & Schwartz 377.2100.02 Frequency Generator	Ea.	7	
4330	Rhode & Schwartz Function Gen	Ea.	7	
4340	Rohde & Schwatz CMS54 Radio Communicate	Ea.	5	
4350	SA5 Switch Analyser	Ea.	6	
4360	Sensor Link, Ampstik Plus	Ea.	5	
4370	Serge Tech CATU CL-1-06 Piezotest	Ea.	5	
4380	SEW ST-3502 Multimeter	Ea.	8	
4390	SFE Insulating Telescopic Pole	Ea.	6	
4400	Siemens B2041 Timer	Ea.	5	
4410	SIEMENS BRIDGE MEASURING	Ea.	6	
4420	Siemens Resistance Bridge Ohm meter	Ea.	5	
4430	SIEMENS TIMER	Ea.	6	
4440	SIEMENS TIMER B2041	Ea.	6	
4450	SIEMENS TIMER ELECTRONIC	Ea.	6	
4460	SIEMENS WHEATSTONE BRIDGE	Ea.	6	
4470	SMC PTE-100-V Secondary Current Injector	Ea.	7	
4480	SMC PTE-30-CH TIMER	Ea.	6	
4490	SMC PTE-30-CH Timer	Ea.	5	
4500	SOAR 5700 LCR Meter	Ea.	6	
4510	SOAR 5700 LCR Meter	Ea.	5	
4520	SOAR 5700 RCL Meter	Ea.	5	
4530	SULLIVAN 43287 BOX DECADE	Ea.	6	
4540	SULLIVAN 43288 BOX DECADE	Ea.	16	
4550	Surge Tech CATU CL-1-06 Piezotestl	Ea.	5	
4560	Switch Analyser SA 5	Ea.	5	
4570	Switch Analyser SA10 Breaker Analyser	Ea.	6	
4580	Switch Analysrs Switch Breaker Analyser	Ea.	6	



4590	Switching Systems DPI4000TU DPI Test Un	Ea.	5	
4600	T1000 Relay Test Set	Ea.	5	
4610	Tek THS720 Oscilloscope	Ea.	5	
4620	Tektronic DMM249 Multi Meter	Ea.	5	
4630	Tektronic TDS540 Oscilloscope	Ea.	5	
4640	Tektronix 466 OSCILLOSCOPE:	Ea.	6	
4650	Tektronix ATG3022B Function Generator	Ea.	6	
4660	Tektronix AWG2005 Arbitrary Waveform Genarator	Ea.	6	
4670	Tektronix MD03054 Oscilloscope	Ea.	6	
4680	Tektronix Multi meter:	Ea.	6	
4690	Tektronix OSCILLISCOPE	Ea.	9	
4700	Tektronix Scope Meter	Ea.	6	
4710	Tektronix TDS3014B Digital Phospor Oscilloscope	Ea.	7	
4720	Tektronix TDS320 OSCILLOSCOPE	Ea.	6	
4730	Tektronix TDS420 Oscilloscope	Ea.	6	
4740	Tektronix TDS520A OSCILLOSCOPE	Ea.	6	
4750	Tektronix TDS524A OSCILLOSCOPE	Ea.	6	
4760	Tektronix TDS524A Oscilloscope	Ea.	5	
4770	Tektronix TDS540 OSCILLOSCOPE	Ea.	6	
4780	Tektronix Tek Meter	Ea.	6	
4790	Tektronix THS720 Oscilloscope	Ea.	8	
4800	Tektronix THS720A Scope	Ea.	6	
4810	Termo-Hygrometer Probe	Ea.	6	
4820	Tesset 502 Secondary Injection	Ea.	6	
4830	Tesset 502B Secondary Injection Set	Ea.	6	
4840	Tesset CALIBRATOR DRY BLOCK	Ea.	6	
4850	Tesset Counter Timer	Ea.	6	
4860	Tesset Dry Block Calibrator	Ea.	5	
4870	Tesset TX20 Timer	Ea.	8	
4880	Tesset TX20 Timer Protection	Ea.	5	
4890	Tesset Y41 Injector:	Ea.	6	
4900	Thermocouple Leads Type K/J/T/R&S	Ea.	6	
4910	THERMOSTATIC CALIBRATOR PULSAR	Ea.	6	

4920	TM1800 Breaker Analyser	Ea.	6	
4930	Top Tronic Insulation Tester	Ea.	6	
4940	Top Tronic T2606 Clamp Meter	Ea.	8	
4950	Top Tronic TIN4D INSULATION TESTER	Ea.	6	
4960	TTR 310 Transformer Turn-Ratio	Ea.	5	
4970	TTR TEST SET TRANSFORM	Ea.	6	
4980	TTR310 Transformer Turn-Ratio Test Set	Ea.	7	
4990	UNI-T UT511 Insulation Tester	Ea.	14	
5000	UNIT-T UT511 1000 V Isolation Tester	Ea.	7	
5010	UNIT-T UT513 1002 V Isolation Tester	Ea.	6	
5020	UNIT-T UT514 1003 V Isolation Tester	Ea.	6	
5030	UNIT-T UT515 1004 V Isolation Tester	Ea.	6	
5040	UNIT-T UT516 1005 V Isolation Tester	Ea.	6	
5050	UNIT-T UT517 1006 V Isolation Tester	Ea.	6	
5060	UNIT-UT511 Digital Megger	Ea.	6	
5070	Vanguard CT800 Cicut Breaker Analyzer	Ea.	6	
5080	Vanguard CT8000 Breaker Test Set	Ea.	7	
5090	Vanguard Winding Resistance Meter	Ea.	6	
5100	Vanguard WRM40 Transformer Resistance Meter	Ea.	6	
5110	Variac 3 Phase	Ea.	6	
5120	W & G Level Generator	Ea.	6	
5130	W & G LEVEL METER	Ea.	7	
5140	Wavetek 9000 Calibrator	Ea.	5	
5150	WAVETEK CALIBRATOR	Ea.	6	
5160	Winding Resistance Winding Resistance Vanguard	Ea.	6	
5170	YEW 2404 Insulation Tester	Ea.	6	
5180	YEW 2793 BOX DECADE	Ea.	6	
5190	YEW 3659-61 POWER UNIT	Ea.	10	
5200	YEW CLAMP ON AMMETER	Ea.	6	
5210	Yogogawa DL750P Scope	Ea.	6	
5220	Yokogawa 2343 Clamp Meter	Ea.	5	
5230	Yokogawa 2343-04	Ea.	10	
5240	Yokogawa 2422 Calibrator	Ea.	7	

5250	Yokogawa 2426 INSULATION TESTER	Ea.	6	
5260	Yokogawa 2426A Insulation Tester	Ea.	5	
5270	Yokogawa 2533 METER POWER	Ea.	6	
5280	Yokogawa 2533E Power Meter	Ea.	5	
5290	Yokogawa 2793 Decade Box	Ea.	5	
5300	Yokogawa 3201 Analogue Meter	Ea.	6	
5310	Yokogawa 3659-61 Power Unit	Ea.	6	
5320	Yokogawa 7552 Multi Meter	Ea.	8	
5330	Yokogawa ANALYSER POWER	Ea.	6	
5340	Yokogawa AR1600 Analyzing Recorder	Ea.	6	
5350	Yokogawa CA11 CALIBRATOR	Ea.	8	
5360	Yokogawa CA11E Handy Cal	Ea.	5	
5370	Yokogawa CA12 CALIBRATOR	Ea.	6	
5380	Yokogawa CALIBRATOR	Ea.	8	
5390	Yokogawa Digital Insulation Tester	Ea.	6	
5400	Yokogawa Digital Insulation Tester	Ea.	6	
5410	Yokogawa DL1640 Oscilloscope	Ea.	6	
5420	Yokogawa DL708E Analyser Recorder	Ea.	6	
5430	Yokogawa DL716 Fuction generator	Ea.	6	
5440	Yokogawa DL750 Recorder	Ea.	7	
5450	Yokogawa DL750P Fuction generator	Ea.	8	
5460	Yokogawa DLP750P Scope	Ea.	5	
5470	Yokogawa INSULATION TESTER	Ea.	6	
5480	Yokogawa Multi meter	Ea.	10	
5490	Yokogawa Multi meter YEW	Ea.	8	
5500	Yokogawa MY40 TESTER INSULATION	Ea.	6	
5510	Yokogawa Recorder	Ea.	6	
5520	Yokogawa TESTER DIGITAL CLAMP-ON	Ea.	6	
5530	Yokogawa/Guildline Resistor Standard (X10) (Set 2)	Ea.	6	
5540	Yokoyawa Variable V Transformer	Ea.	6	
5550	Zenith 0-380V 3 Phase Variac	Ea.	5	

The total of the Prices 

R0.00
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## C3.1

Calibration of Eskom PTM's Test and Measuring Equipment on an "As-And- When Required Basis" Calibrations to be done in accordance to the requirements stipulated by ISO / SANAS 17025.

When items are sent in for Calibration and if they are found to be defective the contractor may not repair such items. PTM NCS Calibration Laboratory must be notified of such items and a decision will be taken thereafter on the way forward.

A separate Calibration Certificate must be provided for each item calibrated. Calibration certificate **must not have an expiry date.**

The equipment requiring calibration will be delivered to suppliers based in and around 150 km's from Witbank. Eskom PTM will deliver and collect the items. Suppliers further than 150 km's from Witbank will have to quote to include transport costs.

Items sent in for Calibration **must be ready for collection within 14 calendar days.** Suppliers further than 150 km's from Witbank **must deliver the items within 14 calendar days from the date of collection.**