

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.



## NEC3 Term Service Contract (TSC3)

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

Between **ESKOM HOLDINGS SOC LIMITED**  
(Reg No. 2002/015527/06)

and  
(Reg No. )

for The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

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**Contents:****No of  
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The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

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**CONTRACT No.**

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The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

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

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<b>Contents:</b>	<b>No of pages</b>
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<b>C1.2a Contract Data provided by the <i>Employer</i></b>	
<b>C1.2b Contract Data provided by the <i>Contractor</i></b>	
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The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## C1.1 Form of Offer & Acceptance

### Offers

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

**The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 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	
	Sub total	
	Value Added Tax @ 15% is	

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

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## 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 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

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## 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>X9: Transfer of rights</b>
		<b>X10: Employer's Agent</b>
		<b>X11: Termination by the Employer</b>
		<b>X17: Low services damages</b>
		<b>X18: Limitation of liabilities</b>
		<b>Z: Additional conditions of contract</b>
	of the NEC3 Term Service Contract (June 2005) <sup>1</sup>	
10.1	The <i>Employer</i> is (name):	<b>Eskom Holdings SOC Limited (Reg No: 2002/015527/06), a juristic person 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>011 800 8111</b>
	Fax No.	<b>011 800 4472</b>
10.1	The <i>Service Manager</i> is (name):	<b>Monica Shuping</b>
	Address	
	Tel	<b>017 779 8699</b>
	Fax	<b>N/A</b>

<sup>1</sup> Available from Engineering Contract Strategies Tel 011 803 3008 Fax 011 803 3009

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

e-mail

[ShupinDM@eskom.co.za](mailto:ShupinDM@eskom.co.za)

11.2(2)	The Affected Property is	Eskom – Research & Innovation Centre
11.2(13)	The service is	The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.
11.2(14)	The following matters will be included in the Risk Register	None
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 law of the contract is the law of	the Republic of South Africa
13.1	The language of this contract is	English
13.3	The period for reply is	N/A
2	<b>The Contractor's main responsibilities</b>	(If the optional statement for this section is not used, no data will be required for this section)
21.1	The Contractor submits a first plan for acceptance within	
3	<b>Time</b>	
30.1	The starting date is.	
30.1	The service period is	Five (5) years
4	<b>Testing and defects</b>	No data is required for this section of the conditions of contract.
5	<b>Payment</b>	
50.1	The assessment interval is	Not applicable
51.1	The currency of this contract is the	South African Rand
51.2	The period within which payments are made is	As per the invoice
51.4	The interest rate is	(i) zero percent above 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 (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

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 *mutatis mutandis* 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>	(If the optional statement for this section is not used, no data will be required for this section)
	These are additional compensation events:	<b>N/A.</b>
7	<b>Use of Equipment Plant and Materials</b>	<b>No data is required for this section of the conditions of contract.</b>
8	<b>Risks and insurance</b>	
80.1	These are additional <i>Employer's</i> risks	<ol style="list-style-type: none"> <li>1. Natural disaster</li> <li>2. Faulty machines</li> </ol>
83.1	The <i>Employer</i> provides these insurances from the Insurance Table	<b>as stated for "Format TSC3" available on <a href="http://www.eskom.co.za/live/content.php?Item_ID=9248">http://www.eskom.co.za/live/content.php?Item_ID=9248</a> (See Annexure A for basic guidance).</b>
83.1	The <i>Employer</i> provides these additional insurances	<b>as stated for "Format TSC3" available on <a href="http://www.eskom.co.za/live/content.php?Item_ID=9248">http://www.eskom.co.za/live/content.php?Item_ID=9248</a> (See Annexure A for basic guidance)</b>
83.1	The minimum amount of cover for insurance against loss and damage caused by the <i>Contractor</i> to the <i>Employer's</i> property is	<b>the amount of the deductibles relevant to the event described in the "Format TSC3" insurance policy available on <a href="http://www.eskom.co.za/live/content.php?Item_ID=9248">http://www.eskom.co.za/live/content.php?Item_ID=9248</a></b>
83.1	The minimum amount of cover for loss of or damage to Plant and Materials provided by the <i>Employer</i> is:	<b>the amount of the deductibles relevant to the event described in the "Format TSC3" insurance policy available on</b>



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[http://www.eskom.co.za/live/content.php?Item\\_ID=9248](http://www.eskom.co.za/live/content.php?Item_ID=9248)

83.1	The minimum amount of cover for insurance in respect of 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 for any one event is:	<b>whatever the <i>Contractor</i> deems necessary in addition to that provided by the <i>Employer</i>.</b>
83.1	The minimum limit of indemnity for insurance in respect of 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 for any one event is:	<b>As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less than R500 000 (Five hundred thousand Rands)..</b>
<b>9</b>	<b>Termination</b>	<b>There is no Contract Data required for this section of the <i>conditions of contract</i>.</b>
<b>10</b>	<b>Data for main Option clause</b>	
<b>A</b>	<b>Priced contract with price list</b>	
20.5	The <i>Contractor</i> prepares forecasts of the final total of the Prices for the whole of the service at intervals no longer than	<b>4 weeks.</b>
<b>11</b>	<b>Data for Option W1</b>	
W1.1	The <i>Adjudicator</i> is (Name)	<b>To be appointed when a dispute arise.</b>
W1.2(3)	The <i>Adjudicator nominating body</i> is:	<b>the Chairman of the Joint Civils Division of the South African Institution of Civil Engineering. (See <a href="http://www.jointcivils.co.za">www.jointcivils.co.za</a>)</b>
W1.4(2)	The <i>tribunal</i> is:	<b>Arbitration</b>
W1.4(5)	The <i>arbitration procedure</i> is	<b>the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.</b>
	The place where arbitration is to be held is	<b>Johannesburg, South Africa</b>
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	
	- if the arbitration procedure does not state who selects an arbitrator, is	<b>the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.</b>
<b>12</b>	<b>Data for secondary Option clauses</b>	

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

X1.1	The index is	The Price Adjustment Factor is the average CPI for the previous 12 months (skipping the prior month) as published by Statistics SA.
X1.2	The calculation to establish the CPA is:	<p>The average of the index of the StatsSA, PO141 CPI Headline Table B2, for the previous 12 months (skipping the prior month due to publishing delays). Rounded-off to 2 decimal places.</p> <p>For example, if the first escalation is due on the 1<sup>st</sup> October 2021, the CPA is calculated as the average of the index from September 2020 to August 2021. For the second escalation, the CPA is calculated as the average of the index from September 2021 to August 2022 etc.</p>
X2 X9 X11 X18	<b>Changes in the law</b> <b>Transfer of rights</b> <b>Termination by the employer</b> <b>Limitation of liability</b>	<b>No data is required for this Option</b>
<b>Z</b>	<b>The <i>additional conditions of contract</i> are</b>	<b>Z1 to Z11 always apply.</b>
<b>Z1</b>	<b>Cession delegation and assignment</b>	
Z1.1	The <i>Contractor</i> does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the <i>Employer</i> .	
Z1.2	Notwithstanding the above, the <i>Employer</i> may on written notice to the <i>Contractor</i> 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 and the Electricity Distribution Industry.	
<b>Z2</b>	<b>Joint ventures</b>	
Z2.1	If the <i>Contractor</i> 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 <i>Employer</i> for the performance of this contract.	
Z2.2	Unless already notified to the <i>Employer</i> , the persons or organisations notify the <i>Service Manager</i> within two weeks of the Contract Date of the key person who has the authority to bind the <i>Contractor</i> on their behalf.	
Z2.3	The <i>Contractor</i> does not substantially alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the <i>Employer</i> having been given to the <i>Contractor</i> in writing.	
<b>Z3</b>	<b>Change of Broad Based Black Economic Empowerment (B-BBEE) status</b>	

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

- 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 Works.
- 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 Ethics**

- Z4.1 Any offer, payment, consideration, or benefit of any kind made by the *Contractor*, which constitutes or could be construed either directly or indirectly as an illegal or corrupt practice, as an inducement or reward for the award or in execution of this contract constitutes grounds for terminating the *Contractor's* obligation to Provide the Service or taking any other action as appropriate against the *Contractor* (including civil or criminal action).
- Z4.2 The *Employer* may terminate the *Contractor's* obligation to Provide the Service if the *Contractor* (or any member of the *Contractor* where the *Contractor* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations) is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices.

Such practices include making of offers, payments, considerations, or benefits of any kind or otherwise, whether in connection with any procurement process or contract with the *Employer* or other people or organisations and including in circumstances where the *Contractor* or any such member is removed from an approved vendor data base of the *Employer* as a consequence of such practice.

- Z4.3 Notwithstanding the provisions of core clause 90.2, the procedures on termination in terms of this clause are P1, P2 and P4 as stated in the core clause 92 and the amount due is A1 and A3 as stated in core clause 93.

## **Z5 Confidentiality**

- Z5.1 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.
- Z5.2 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*.
- Z5.3 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

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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.

Z5.4 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*.

Z5.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

## **Z6 Waiver and estoppel: Add to core clause 12.3:**

Z6.1 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.

## **Z7 Health, safety and the environment: Add to core clause 27.4**

Z7.1 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 2003 (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.

Z7.2 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.

## **Z8 Provision of a Tax Invoice and interest. Add to core clause 51**

Z8.1 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.

Z8.2 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.

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- Z8.3 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.

**Z9            Notifying compensation events**

- Z9.1 Delete from the last sentence in core clause 61.3, "unless the *Service Manager* should have notified the event to the *Contractor* but did not".

**Z10           *Employer's* limitation of liability**

- Z10.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z10.2 The *Contractor's* entitlement under the indemnity in 82.1 is provided for in 60.1(12) and the *Employer's* liability under the indemnity is limited to compensation as provided for under the compensation events stated in this contract.

**Z11           **Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":****

- Z11.1      or had a judicial management order granted against it.

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## **Annexure A: Insurance provided by the Employer**

*These notes are provided as guidance to tendering contractors and the Contractor about the insurance provided by the Employer. Details of the insurance itself are available from the internet web link given below.*

1. Services provided in a TSC3 contract could include some element of construction or refurbishment as well as a continuous maintenance or operational service activity. If an event occurs which causes loss or damage, a claim could be made either against the *Employer's* "works" type policy which may be in place for the *Employer's* portion of the Affected Property concerned or against the *Employer's* assets policy which may be in place for the *Employer's* portion of the Affected Property concerned, or both.
2. The cover provided and the deductibles under the works policy are different to those under the assets policy. Each policy has a range of applicable deductibles depending on the location of the Affected Property and the nature of the insurable event.
3. The *Contractor* is required in terms of Contract Data for clause 83 to provide cover for the deductibles in the insurance provided by the *Employer*. This can be provided from his own resources on a 'self insured' basis or obtained by him from his own insurers. In order to assess the extent of this cover, tendering contractors and their brokers should consult the internet web link given below and scroll to '**Format TSC3**' to establish both the cover and the deductibles in relation to the service provided in terms of this contract.
4. Tendering contractors should note that cover provided by the *Employer* is only per the policies available on the internet web link listed below and may not be the cover required by the tendering contractor or as intended by each of the listed insurances in the left hand column of the Insurance Table in clause 83.2. In terms of clause 83.1 "the *Contractor* provides the insurances stated in the Insurance Table except any insurance which the *Employer* is to provide". Hence the *Contractor* provides insurance which the *Employer* does not provide and in cases where the *Employer* does provide insurance the *Contractor* insures for the difference between what the Insurance Table requires and what the *Employer* provides.
5. If Marine Insurance is required the *Contractor* needs to obtain a copy of the latest edition of Eskom's Marine Policies Procedures found at internet website given below.
6. **Further information and full details of all Eskom provided policies and procedures may be obtained from:**

[http://www.eskom.co.za/live/content.php?Item\\_ID=9248](http://www.eskom.co.za/live/content.php?Item_ID=9248)

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## **Annexure B: The *Employer's* Panel of Adjudicators**

The following persons listed in alphabetical order of their surname have indicated their willingness to be included in the Eskom Panel of Adjudicators. Their CV's may be obtained by using the contact details provided.

Name	Location	Contact details (phone & e mail)
Nigel ANDREWS	Gauteng	+27 11 836-6760 nigela@quoin.net
Andrew BAIRD	Gauteng	+27 11 803 3008 <a href="mailto:andrewbaird@ecsconsult.co.za">andrewbaird@ecsconsult.co.za</a>
Christopher BINNINGTON	Gauteng	+27 11 888-6141 <a href="mailto:cdb@bca.co.za">cdb@bca.co.za</a>
Peter HIGGINS	UK	+44 1293 873 868 peterhiggins@pdconsult.co.uk
Bruce LEECH	Gauteng	+27 11 290 4000 leech@counsel.co.za
Nigel NILEN	Gauteng	+27 11 465 3601; nilences@global.co.za
Peter THURLOW	Gauteng	+27 11 787 6226 <a href="mailto:info@thurlowassoc.com">info@thurlowassoc.com</a>

Information about the Panel and appointment of the selected *Adjudicator* is available from Eskom Supply Chain Operations management, by contacting Leighton Itholeng (Tel.: +27 (0)11 800 4031) (Fax :+27 (0)86 668 0419) E-mail: [Leighton.Itholeng@eskom.co.za](mailto:Leighton.Itholeng@eskom.co.za)

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## C1.2 Contract Data

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

Clause	Statement	Data
10.1	The <i>Contractor</i> is (Name): Address  Tel No. Fax No.	
11.2(8)	The <i>direct fee percentage</i> is The <i>subcontracted fee percentage</i> is	<b>N/A.</b> <b>N/A.</b>
11.2(14)	The following matters will be included in the Risk Register	<b>Natural disaster</b>
11.2(15)	The Service Information for the <i>Contractor's</i> plan is in:	<b>Supplier's manual</b>
21.1	The plan identified in the Contract Data is contained in:	<b>Supplier's manual</b>
24.1	The key persons are: 1 Name: Job: Responsibilities:	
<b>A</b>	<b>Priced contract with price list</b>	
11.2(12)	The <i>price list</i> is in	
11.2(19)	The tendered total of the Prices is	



The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## PART 2: PRICING DATA

### TSC3 Option A

Document reference	Title	No of pages
C2.1	Pricing assumptions: Option A	2
C2.2	The <i>price list</i>	[•]

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

## C2.1 Pricing assumptions: Option A

### The *conditions of contract*

#### How work is priced and assessed for payment

Clause 11 in NEC3 Term Service Contract, June 2005 (TSC3) core clauses and Option A states:

Identified and defined terms	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*

It will be assumed that the tendering contractor has read Pages 14, 15 and 73 of the TSC3 Guidance Notes before preparing the *price list*. Items in the *price list* may have been inserted by the *Employer* and the tendering contractor should insert any additional items which he considers necessary. Whichever party provides the items in the *price list* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Service as described at the time of entering into this contract.

The provision for the calibration of metrology items for the Specialized Testing and Sustainable Energy Research (STSER) laboratories at different sites (Rosherville, Rotek, Witbank, Bloemfontein, Klerksdorp, Brackenfell, Port Elizabeth, Pietermaritzburg and Seshego) on an as and when required basis for a period of 5 years.

1 As the *Contractor* has an obligation to correct Defects (core clause 42.1) and there is no compensation event for this unless the Defect was due to an *Employer's* risk, the lump sum Prices and rates must also include for the correction of Defects.

2 If the *Contractor* has decided not to identify a particular item in the *price list* at the time of tender the cost to the *Contractor* of doing the work must be included in, or spread across, the other Prices and rates in the *price list* in order to fulfil the obligation to complete the *service* for the tendered total of the Prices.

3 There is no adjustment to lump sum prices in the *price list* if the amount, or quantity, of work within that lump sum item of service later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event. See Clause 60.1.

4 Hence the Prices and rates tendered by the *Contractor* in the *price list* 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.

5 The Contractor does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event. It should be noted that the list of compensation events includes those arising as a result of an *Employer's* risk event listed in core clause 80.1.

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

(From page 73 of 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*

NB: Number of quantities remains an estimated quantity.

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Calibration of metrology items for a period of 5 years

Site	Item Description	Size of Item/Capacity	Qty	Unit price R's	Total for one (1) year R's	Total for 5yrs
Bloemfontein	Analytical Balance	300g	2			
Bloemfontein	Digital Thermometer	4-120°C	1			
Bloemfontein	Thermohygrometer	15 -75	1			
Bloemfontein	Mass Piece	5 gram	2			
Bloemfontein	Mass Piece	1 gram	2			
Bloemfontein	Mass Piece	2 gram	2			
Bloemfontein	Mass Piece	15 gram	2			
Bloemfontein	Mass Piece	50 gram	2			
Bloemfontein	Mass Piece	100 gram	1			
Bloemfontein	Mass Piece	200 gram	1			
Bloemfontein	Oven		1			
Klerksdorp	Analytical Balance	320g	1			
Klerksdorp	Analytical Balance	220g	1			
Klerksdorp	Digital Thermometer		1			
Klerksdorp	Humidity meter	22010064-6 DH	1			
Klerksdorp	Mass Piece	5 gram	2			
Klerksdorp	Mass Piece	1 gram	2			
Klerksdorp	Mass Piece	2 gram	2			
Klerksdorp	Mass Piece	10 gram	2			
Klerksdorp	Mass Piece	50 gram	2			
Klerksdorp	Feeler gauge	2.5mm	6			
Pietermaritzburg	Analytical Balance	120g	1			
Pietermaritzburg	Analytical Balance	300g	1			
Pietermaritzburg	Thermohygrometer		2			
Pietermaritzburg	Mass Piece	1 gram	2			
Pietermaritzburg	Mass Piece	5 gram	2			
Pietermaritzburg	Mass Piece	10 gram	2			
Pietermaritzburg	Mass Piece	50 gram	2			
Pietermaritzburg	Feeler Gauge	2.5mm	4			
Witbank	Analytical Balance	100g	1			
Witbank	Analytical Balance	300g	1			
Witbank	Analytical Balance	220g	1			

Witbank	Thermohygrometer		2			
Witbank	Fridge thermometer		1			
Witbank	Stop watch	N/A	3			
Witbank	Mass Piece	1g	2			
Witbank	Mass Piece	5g	2			
Witbank	Mass Piece	10g	2			
Witbank	Mass Piece	50g	2			
Witbank	Feeler Gauge	2.5mm	3			
Witbank	Oven	240 L	1			
Seshego	Top pan Balance	1620g	1			
Seshego	Analytical Balance	320g	1			
Seshego	Thermometer		1			
Seshego	Thermohygrometer		1			
Seshego	Mass Piece	5 gram	2			
Seshego	Mass Piece	1 gram	1			
Seshego	Mass Piece	50 gram	2			
ROTEK	Analytical Balance	120g	1			
ROTEK	Top Pan Balance	6100g	1			
ROTEK	Digital Thermometer		2			
ROTEK	Mass Piece	5 gram	2			
ROTEK	Mass Piece	1 gram	2			
ROTEK	Mass Piece	10 gram	2			
ROTEK	THERMOMETER		2			
Brackenfell	Analytical Balance	320g	1			
Brackenfell	Thermohygrometer		1			
Brackenfell	Mass Piece	1 g	1			
Brackenfell	Mass Piece	5 g	1			
Brackenfell	Mass Piece	50g	1			
Brackenfell	Oven	240L	1			
Brackenfell	Liquid in Glass Thermometer		2			
Port Elizabeth	Thermohygrometer		1			
Port Elizabeth	Analytical Balance	310g	1			
Port Elizabeth	Mass Piece	1 g	1			
Port Elizabeth	Mass Piece	5 g	1			
Port Elizabeth	Mass Piece	50g	1			
Port Elizabeth	Oven	240L	1			
JHB	Temperature Humidity logger		2			
JHB (Transformer)	Analytical Balance	220g	3			
JHB (Transformer)	Analytical Balance	210g	1			
JHB (Transformer)	Mass Piece	1 g	2			
JHB (Transformer)	Mass Piece	5 g	2			
JHB	Mass Piece	50 g	2			

(Transformer)						
JHB (Transformer)	Feeler gauge	2.5mm	6			
JHB (Transformer)	Stop watch	1/100 sec precision	1			
JHB(PCB)	Mass Piece	1 gram	1			
JHB(PCB)	Mass Piece	10 g	1			
JHB(PCB)	Mass Piece	50 g	1			
JHB(PCB)	Thermometer	-10°C-45°C	2			
JHB(PCB)	Thermometer	-10°C-60°C	1			
JHB(PCB)	Incubator	15°C	1			
JHB(PCB)	Oven	240L	1			
JHB(PCB)	Stop watch	1/100 sec precision	2			
JHB (LUBE)	Mass Piece	1g	1			
JHB (LUBE)	Mass Piece	5g	1			
JHB (LUBE)	Mass Piece	10g	1			
JHB (LUBE)	Mass Piece	50g	1			
JHB (LUBE)	Analytical balance	120g	2			
JHB (LUBE)	Analytical balance	252g	1			
JHB (LUBE)	Top Pan Balance	2200g	1			
JHB (LUBE)	Thermohygrometer		1			
JHB (LUBE)	Oven	100°C	1			
JHB (LUBE)	Stop watch	1/100 sec precision	2			
JHB (LUBE)	Thermometer	-10°C+200°C	1			
JHB GCxGC Lab	Analytical Balance	0.01mg-200g	1			
Micro Lab	Analytical balance	0.01mg-42g	1			
Micro Lab	Top Pan Balance	0.01-2100g	1			
Micro Lab	Thermometer	Not Specified	18			
Micro Lab	Autoclave	120-122°C	4			
Micro Lab	Mass Piece	1g	1			
Micro Lab	Mass Piece	5g	1			
Micro Lab	Mass Piece	10g	1			
Micro Lab	Mass Piece	20g	1			
Micro Lab	Mass Piece	100g	1			
Micro Lab	Pipettes	0.05-10ml	7			
Micro Lab	Laminar flow		1			
Micro Lab	Bioflow		1			
Micro Lab	Incubator		10			
Water Lab	Oven	0-200°C	1			
Water Lab	Oven	0-105°C	2			
Water Lab	Top pan balance	0-750g	2			
Water Lab	Analytical Balance	0-220g	2			
Water Lab	Analytical Balance	0-210g	1			
Water Lab	Mass Piece	1g	1			
Water Lab	Mass Piece	2g	1			

Water Lab	Mass Piece	5g	1			
Water Lab	Mass Piece	10g	1			
Water Lab	Mass Piece	20g	1			
Water Lab	Mass Piece	50g	1			
Water Lab	Mass Piece	100g	1			
Water Lab	Mass Piece	200g	1			
Water Lab	Liquid in Glass Thermometer	Not specified	13			
Water Lab	Digital temperature indicature and thermocouple	0-200°C	1			
Water Lab	Digestor	0-148°C	2			
Coal Lab	Analytical Balance	0-64g	3			
Coal Lab	Analytical Balance	0-120g	4			
Coal Lab	Analytical Balance	0-100g	3			
Coal Lab	Analytical Balance	0-30g	1			
Coal Lab	Toppan Balance	0-100kg	3			
Coal Lab	Ash Furnace	500 & 815°C	3			
Coal Lab	Volatile Furnace	900°C	3			
Coal Lab	Oven	105-110°C	5			
Coal Lab	Digital temperature indicature and thermocouple	0-115°C	1			
Coal Lab	Digital temperature indicature and thermocouples	0-900°C	1			
Coal Lab	Mass Piece set	500g-200mg	2			
Coal Lab	Stop watch		2			
Coal Lab	Humidity meter	30% and 70%	8			

**NB: Supplier to quote on travel and subsistence for all the laboratories based on what is applicable.**

- **Travel Per Km & Travel Time (Call out rate) for 5years per site per lab**
- **Accommodation where applicable.**
- **Flights where applicable.**
- **Courier cost for all sites per year for period of five years.**

## PART 3: SCOPE OF WORK

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Employer's</i> Service Information	
C3.2	<i>Contractor's</i> Service Information	
	Total number of pages	



## C3.1: EMPLOYER'S SERVICE INFORMATION

### SCOPE OF WORK

Supplier to provide yearly calibration of the following items for a period of 5 years.

Summary of items to be calibrated		
Items	Quantity	Frequency
Mass Balances	44	Yearly
Thermometer	48	Yearly
Thermohydrometers	24	Yearly
Mass Pieces	83	Yearly
Feeler Gauges	13	Yearly
Furnaces	13	Yearly
Autoclave	6	Yearly
Humidity	2	Yearly
Top pan Balance	8	Yearly
Digestor	10	Yearly
Incubator	12	Yearly
Ovens	8	Yearly
Pipettes	11	Yearly
Stopwatches	8	Yearly
Bio flow	3	Yearly
Laminar flow	2	Yearly

Include Travel and subsistence where applicable.

**Requirements:**

NB: This contract will not be limited to the list above, new items will be calibrated via this contract.

**5.1.1 Requirements:**

- a. Supplier to provide calibration certificates and stickers that will indicate next date of calibration.
- b. Supplier must respond to calibration request within 48hrs of purchase order being issued.
- c. Calibration certificate must contain minimum information as follows:
  - ✓ Name of the requester,
  - ✓ unique number for the certificate,
  - ✓ address of requester and supplier,
  - ✓ supplier company name,
  - ✓ accreditation number (if accredited),
  - ✓ Serial number of instrument being calibrated,
  - ✓ Summary of status,
  - ✓ Results,
  - ✓ Uncertainty of measurements,
  - ✓ Environmental conditions at the time of calibration,
  - ✓ Date calibrated,
  - ✓ Name and signature of the technician calibrated the instrument
- d. Supplier to provide proof that the instrument used to calibrate SI Analytical equipment is calibrated and calibration is traceable to NIST.
- e. The supplier must be accredited according to ISO 17025 any other equivalent standard, if not for some of the item the supplier, the following **documents as per SANAS TR 25 section 3.3 in house calibration must be provided**:
  - ✓ A documented and validated calibrated procedure or method;
  - ✓ A calibration certificate or report, or some other suitable method of recording the calibration and measurement data;
  - ✓ Appropriate educational and training records to demonstrate the competence of the personnel performing the calibration;
  - ✓ Copies of certificates and reports to demonstrate traceability to the SI system of units or RMs;
  - ✓ All reference standards and measuring instruments shall be calibrated at appropriate intervals, the facility shall have and apply a documented procedure for establishing these calibration intervals;
  - ✓ A documented procedure for the estimation of the measurement uncertainty, which shall be applied for at least each type of calibration. The uncertainty of measurement shall be taken into account when making a statement of compliance;
  - ✓ Records to demonstrate the assurance of the calibration results i.e. participation in Inter-Laboratory Comparisons or Proficiency Testing;
  - ✓ Documented requirements for environmental conditions, and records where applicable; and
  - ✓ Evidence of internal audits of all activities that could influence the quality of calibration results.

**1.1 Supplier to provide**

- A report as to the condition of the equipment and advice.
- All measuring instruments to be calibrated according to the specification and requirements as specified in the request form.

**Description of the service****Invoicing and payment**

Clause 50.2 states invoices submitted by the *Contractor* include the details stated in the Scope to show how the amount due has been assessed. Also state what must be shown on the Invoice. The following text is suggested.

The following details shall be shown on or attached to each Invoice to show how the amount due has been assessed:

The *Contractor* shall address the tax invoice to Eskom Research and Innovation centre and include on it the following information:

Name and address of the *Contractor* and the *Employer's Agent*;

The contract number and title;

*Contractor's* VAT registration number;

The *Employer's* VAT registration number 4740101508;

Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;

### **Health and safety**

The *Contractor* shall at all times comply with the health and safety requirements prescribed by law as they may apply to the services.

- Letter of Good Standing
- Acknowledgment of Life Saving Rules
- Signed SHE Policy
- 37(2) Eskom Agreement
- Baseline Risk Assessment

**Environmental Requirements needs to be adhered to by the supplier.**

**Quality Requirements needs to be adhered to by the supplier.**

### **Eskom's cardinal rules**

The Eskom Cardinal Rules are non-negotiable safety rules that aim to prevent serious at-risk behaviours and promoting a safe working environment at all locations. There may be instances where divisions and or business units have additional cardinal rules addressing their specific risks and these will be supplementary to the five Eskom Cardinal Rules.

The five Eskom Cardinal Rules that the service provider must adhere to, and are as follows:

- Rule 1: "Open, isolate, test, earth, bond and/or insulate before touch"
- Rule 2: "Hook up at height"
- Rule 3: "Buckle Up"
- Rule 4: "Be Sober"
- Rule 5: "Ensure that you have a permit to work"

All safety rules and requirements are important and must be adhered to. The Eskom Cardinal Rules are different from regular safety rules in that they are considered higher order rules. If any of the Eskom Cardinal Rules are not adhered to, it will result in a disciplinary process in accordance with the Eskom Disciplinary Code and Procedure, which will have the power of dismissal