



## NEC3 Supply Contract (SC3)

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

and

for **Supply and delivery of laboratory chemicals and  
consumables for a five (5) year period.**

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**CONTRACT No.**

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

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## C1.1 Form of Offer & Acceptance

### Offer

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

**Supply and delivery of laboratory chemicals and consumables on an as and when required basis to Lethabo Power Station.**

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 *Supplier* 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.

	The offered total of the Prices exclusive of VAT is	
	Value Added Tax @ 15% is	
	The offered total of the amount due inclusive of VAT is <sup>1</sup>	

This Offer may be accepted by the Purchaser 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 *Supplier* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the  
tenderer:**

Name &  
signature of  
witness

(Insert name and address of  
organisation)

Date

<sup>1</sup> This total is required by the *Purchaser* 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 Purchaser identified below accepts the tenderer's Offer. In consideration thereof, the Purchaser shall pay the Supplier 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 Purchaser 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: Goods Information including Supply Requirements

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 Purchaser 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 Purchaser'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

Purchaser

**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199**

*(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 *Purchaser* 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 Purchaser 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 Purchaser 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 Purchaser 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 Purchaser
Signature	_____	_____
Name	_____	_____
Capacity	_____	_____
On behalf of	_____	<b>Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199</b>
Name & signature of witness	_____	_____
Date	_____	_____

C1.2 SC3 Contract Data

## Part one - Data provided by the Purchaser

Clause	Statement	Data
1	<b>General</b>	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		<b>X1: Price adjustment for inflation</b>
		<b>X2: Changes in the law</b>
		<b>X7: Delay damages</b>
		<b>Z: Additional conditions of contract</b>
	of the NEC3 Supply Contract (April 2013) <sup>2</sup>	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The <i>Purchaser</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.	
	Fax No.	<b>N/A</b>
10.1	The <i>Supply Manager</i> is (name):	<b>Simthembile Mahlasela</b>
	Address	<b>Lethabo Power Station Private Bag X 415 Vereeniging 1930</b>
	Tel	<b>016 457 5565</b>
	Fax	<b>N/A</b>
	e-mail	<b>mahlasms@eskom.co.za</b>
11.2(13)	The <i>goods</i> are	<b>Supply and delivery of laboratory chemicals and consumables to Lethabo Power Station</b>
11.2(13)	The <i>services</i> are	<b>N/A</b>
11.2(14)	The following matters will be included in the Risk Register	<b>N/A</b>
11.2(15)	The Goods Information is in	<b>Part 3: Scope of Work and all documents and drawings to which it makes reference.</b>
11.2(15)	The Supply Requirements as part of the Goods Information is in	<b>Annexure A to this Contract Data</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).

12.2	The <i>law of the contract</i> is the law of	<b>the Republic of South Africa</b>
13.1	The <i>language of this contract</i> is	<b>English</b>
13.3	The <i>period for reply</i> is	<b>Two (2) working days</b>
2	<b>The <i>Supplier's</i> main responsibilities</b>	<b>Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.</b>
3	<b>Time</b>	
30.1	The <i>starting date</i> is.	<b>TBC</b>
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<b><i>delivery date</i></b>
		<ul style="list-style-type: none"> <li>• <b>As per batch order</b></li> <li>• <b>Supplier to also keep minimum stock (consignment stock) for items that are not kept at the supplier's warehouse and for items with long lead times. The minimum quantities will be as agreed by both parties.</b></li> </ul>
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	<b>One (1) week of the Contract Date.</b>
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	<b>Two (2) weeks.</b>
4	<b>Testing and defects</b>	
42	The <i>defects date</i> is	<b>52 weeks after Delivery.</b>
43.2	The <i>defect correction period</i> is	<b>Two (2) weeks – To address the defect at hand and to determine the corrective action and timelines that will be required</b>
	and the <i>defect access period</i> for	<b>Five (5) days</b>
5	<b>Payment</b>	
50.1	The <i>assessment interval</i> is	<b>As per Task order.</b>
51.1	The <i>currency of this contract</i> is the	<b>South African Rand</b>
51.2	The period within which payments are made is	<b>14 days after delivery of the task order</b>
51.4	The <i>interest rate</i> is	<b>the publicly quoted prime rate of interest (calculated on a 365 day year) charged 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</b>

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 *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	Compensation events	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	Title	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	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	N/A
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and  (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	Total of the Prices ]
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	Total of the Prices



88.5 The *end of liability date* is **One year after Delivery of the whole of the goods and services.**

**9 Termination and dispute resolution**

94.1 The *Adjudicator* is **N/A**

94.2(3) The *Adjudicator nominating body* is: **N/A**

94.4(2) The *tribunal* is: **arbitration**

94.4(5) The *arbitration procedure* is **N/A**

94.4(5) The place where arbitration is to be held is **N/A**

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 **N/A**

**10 Data for Option clauses**

**X1 Price adjustment for inflation** **Prices are fixed and firm for the first year and CPA will kick in for subsequent years as follows**

X1.1 The *base date* for indices is **TBA**

The proportions used to calculate the Price Adjustment Factor are:

proportion	linked to index for	Index prepared by
50%	Material	SEIFSA Table E-EX
30%	Labour	SEIFSA Table C3 "Hourly Paid Employees"
10%	Transport	SEIFSA Table L-2(A)
10%	Fixed	

**X2 Changes in the law** **is a compensation event if it occurs after the Contract Date.**

X2.1 A change in the law of **The Republic of South Africa**

**X7 Delay damages** **2% per day up to a maximum of 15% per task order**

**Z The additional conditions of contract are** **Z1 to Z15 always apply for Eskom**

**Z1 Cession delegation and assignment**

Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the

written consent of the *Purchaser*.

- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* 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 *Supplier* 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 *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

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

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the *Purchaser* may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.
- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

## **Z4 Confidentiality**

- Z4.1 The *Supplier* 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 *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* 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 *Supplier* 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 *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.

Z4.5 The *Supplier* 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 *Supply 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 25.4**

Z6.1 The *Supplier* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the provision of the *goods* and execution of the *services*.

Without limitation the *Supplier*:

- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with 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 supply and
- undertakes, in and about the execution of the supply, to comply 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 *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Supplier*, in and about the execution of the supply, 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 *Supplier'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 *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.

Z7.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* 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 *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z7.3 The *Supplier* (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 *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

**Z8 Notifying compensation events**

Z8.1 Delete from the last sentence in core clause 61.3 the words, "unless the event arises from the *Supply Manager* giving an instruction, changing an earlier decision or correcting an assumption".

**Z9 Purchaser's limitation of liability**

- Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

**Z10 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":**

- Z10.1 or had a business rescue order granted against it.

**Z11 Addition to secondary Option X7 Delay damages (if applicable in this contract)**

- Z11.1 If the amount due for the *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

**Z12 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 *Supplier* 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 *Supplier*, 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.

- Z12.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.

- Z12.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the

*Purchaser* 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 *Purchaser* can terminate the *Supplier's* obligation to Provide the Services for this reason.

Z12.3 If the *Purchaser* terminates the *Supplier'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.

Z12.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* ensures that the Committing Party co-operates fully with an investigation.

### **Z13Insurance**

#### **Z 13.1 Replace core clause 84 with the following:**

<b>Insurance cover</b>	<b>84</b>	
	<b>84.1</b>	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.
	<b>84.2</b>	The <i>Supplier</i> provides the insurances stated in the Insurance Table A for events which are at the <i>Supplier's</i> risk from the <i>starting date</i> until the last <i>defects date</i> or a termination certificate has been issued.

**INSURANCE TABLE A**

<b>Insurance against</b>	<b>Minimum amount of cover or minimum limit of indemnity</b>
Loss of or damage to the <i>goods</i> , plant and materials	The replacement cost where not covered by the <i>Purchaser's</i> insurance.  The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.
Liability for loss of or damage to property (except the <i>goods</i> , plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i> ) caused by activity in connection with this contract	<b><u>Loss of or damage to property</u></b> <b><u>Purchaser's property</u></b> The replacement cost where not covered by the <i>Purchaser's</i> insurance.  The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.  <b><u>Other property</u></b> The replacement cost  <b><u>Death of or bodily injury</u></b> The amount required by the applicable law.
Liability for death of or bodily injury to employees of the <i>Supplier</i> arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law

**Z 13.2 Replace core clause 87 with the following:**

**Insurance by  
the *Purchaser***

87

87.1 The *Purchaser* 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 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

## **Z14 Nuclear Liability**

- Z14.1 The *Purchaser* is the operator of the Koeberg Nuclear Power Station (KNPS), a nuclear installation, as designated by the National Nuclear Regulator of the Republic of South Africa, and is the holder of a nuclear licence in respect of the KNPS.
- Z14.2 The *Purchaser* is solely responsible for and indemnifies the *Supplier* or any other person against any and all liabilities which the *Supplier* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 44 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Supplier* or any other person or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.3 Subject to clause Z14.4 below, the *Purchaser* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Supplier* or any other person, or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.4 The *Purchaser* does not waive its rights provided for in section 30 (7) of Act 44 of 1999, or any replacement section dealing with the same subject matter.
- Z14.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

## **Z15 Asbestos**

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

<b>AAIA</b>	means approved asbestos inspection authority.
<b>ACM</b>	means asbestos containing materials.
<b>AL</b>	means action level, i.e. a level of 50% of the OEL, i.e. 0.1 regulated asbestos fibres per ml of air measured over a 4 hour period. The value at which proactive actions is required in order to control asbestos exposure to prevent exceeding the OEL.
<b>Ambient Air</b>	means breathable air in area of work with specific reference to breathing zone, which is defined to be a virtual area within a radius of approximately 30cm from the nose inlet.
<b>Compliance Monitoring</b>	means compliance sampling used to assess whether or not the personal exposure of workers to regulated asbestos fibres is in compliance with the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
<b>OEL</b>	means occupational exposure limit.
<b>Parallel Measurements</b>	means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.
<b>Safe Levels</b>	means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
<b>Standard</b>	means the <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.
<b>SANAS</b>	means the South African National Accreditation System.

**TWA** means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4 hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

- Z15.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.
- Z15.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are effected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier's* expense. For the purposes of compliance the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.
- Z15.3 The *Purchaser* manages asbestos and ACM according to the Standard.
- Z15.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.
- Z15.5 The *Supplier's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.
- Z15.6 The *Supplier* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations.
- Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Purchaser* at the *Purchaser's* expense, and conducted in line with South African legislation.

#### **Annexure A: Supply Requirements**

#### **The Supply Requirements for this contract are based on the use of INCOTERMS:**

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010<sup>3</sup> as follows:

[Select the group and then term within the group which applies and state the applicable delivery place.  
Delete all the other groups and this note]

Group	Category	Term	Delivery Place
E	departure	DAP	DAP

The Parties obligations described in Incoterms for the category and term selected are now incorporated into this contract as part of the Supply Requirements and hence the Goods Information.

<sup>3</sup> International Chamber of Commerce, Incoterms 2010, Paris, January 2011



The obligations of seller and buyer for the selected Incoterm determine each Party's costs, risks and insurance requirements incidental to the supply and transport of the *goods* from *Supplier* to *Purchaser*.

For each of the thirteen terms, Incoterms set out obligations of the seller (the *Supplier*) in ten paragraphs identified as A1 to A10 and the corresponding obligations of the buyer (the *Purchaser*) in paragraphs B1 to B10. These obligations cover the following subjects:

<b>A</b>	<b>The <i>Supplier's</i> obligations</b>	<b>B</b>	<b>The <i>Purchaser's</i> obligations</b>
<b>A1</b>	Provision of goods in conformity with contract	<b>B1</b>	Payment of the price
<b>A2</b>	Licences, authorisations and formalities	<b>B2</b>	Licences, authorisations and formalities
<b>A3</b>	Contracts of carriage and insurance	<b>B3</b>	Contracts of carriage and insurance
<b>A4</b>	Delivery	<b>B4</b>	Taking delivery
<b>A5</b>	Transfer of risks	<b>B5</b>	Transfer of risks
<b>A6</b>	Division of costs	<b>B6</b>	Division of costs
<b>A7</b>	Notice to the buyer	<b>B7</b>	Notice to the seller
<b>A8</b>	Proof of delivery, transport document or equivalent electronic message	<b>B8</b>	Proof of delivery, transport document or equivalent electronic message
<b>A9</b>	Checking - packing - marking	<b>B9</b>	Inspection of goods
<b>A10</b>	Other obligations	<b>B10</b>	Other obligations

All other information NOT pertinent to the above is given in the balance of the Goods Information

**The Supply Requirements for this contract are as follows:**

<b>1. The requirements for the supply are</b>	Supply and delivery of laboratory chemicals and consumables for a three (5) year period.	
<b>2. The requirements for transport are</b>	Supplier must ensure that product is packaged and transported in such a way that it safe, well stacked and preserved	
<b>3. The delivery place is</b>	Lethabo Power Station. Deneysville Vaaldam Road. Vereeniging. 1930	
<b>4. Actions of the Parties during supply</b>	<b>Action</b>	<b>Party which does it</b>
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Supplier
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	Eskom
<b>For international procurement</b>	Undertake export requirements	N/A
	Undertake import requirements	Supplier
<b>5. Information to be provided by the Supplier</b>	<b>Title of document</b>	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
<b>For international procurement</b>	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

All other information NOT pertinent to the above is given in the balance of the Goods Information

## C1.2 Contract Data

### Part two - Data provided by the Supplier

Clause	Statement	Data												
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.													
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:													
11.2(11)	The tendered total of the Prices is													
11.2(12)	The <i>price schedule</i> is in:													
11.2(14)	The following matters will be included in the Risk Register													
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are													
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table> <thead> <tr> <th></th><th><i>goods and services</i></th><th><i>delivery date</i></th></tr> </thead> <tbody> <tr> <td>1</td><td>[•]</td><td>[•]</td></tr> <tr> <td>2</td><td>[•]</td><td>[•]</td></tr> <tr> <td>3</td><td>[•]</td><td>[•]</td></tr> </tbody> </table>		<i>goods and services</i>	<i>delivery date</i>	1	[•]	[•]	2	[•]	[•]	3	[•]	[•]
	<i>goods and services</i>	<i>delivery date</i>												
1	[•]	[•]												
2	[•]	[•]												
3	[•]	[•]												
31.1	The programme identified in the Contract Data is contained in:													
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%												

## PART 2: PRICING DATA

### NEC3 SUPPLY CONTRACT

Document reference	Title	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	3

## C2.1 Pricing assumptions

### How goods and services are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

**Identified and defined terms**      11  
11.2      (11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.

(12) The Price Schedule is the *price schedule* unless later changed in accordance with this contract.

**Assessing the amount due**      50.2      The amount due is

- the Price for each lump sum item in the Price Schedule which the *Supplier* has completed,
- where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the *Supplier* has completed by the rate,
- plus other amounts to be paid to the *Supplier*,
- less amounts to be paid by or retained from the *Supplier*.

Any tax which the law requires the *Purchaser* to pay to the *Supplier* is included in the amount due.

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

### Function of the Price Schedule

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Supplier* Provides the Goods and Services in accordance with the Goods Information". Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

### Preparing the price schedule

Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule* across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;
- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;

- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

**Format of the *price schedule***

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

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

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

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

## C2.2 the price schedule

Chemical formula/Description	Chemical Grade	Unit of measure	Quantity per annum	Total quantities (5 yrs)	Price per Unit(EA)	Total cost (5 yrs)
Sodium Chloride AR grade	AR Grade	500g	35	175		
Sodium Carbonate AR grade	AR Grade	Ampoule	6	30		
Nitric Acid 0.1 N ampoule	AR Grade	Ampoule	20	100		
Nitric Acid (65%)	AR Grade	2.5 l	3	15		
Ammonium Oxalate AR grade	AR Grade	500g	1	5		
Ammonium solution 25% CP grade	CP Grade	2.5 l	9	45		
Buffer solution, ready made, pH 4 AR grade	AR Grade	500ml	96	480		
Buffer solution, ready made, pH 7 AR grade	AR Grade	500ml	96	480		
Buffer solution, ready made, pH 9.21 AR grade	AR Grade	500ml	120	600		
Buffer solution, ready made, pH 10 AR grade	AR Grade	500ml	96	480		
BDH 4.5 Indicator (Colour change Orange to blue) CP grade	AR Grade	500ml	1	5		
Camphor CP	CP grade	250g	1	5		
Cell test, Ammonium Cell Tests 1.14752 (0.03-3mg/l NH <sub>4</sub> -H)	reagent	boxes (400 tests)	4	20		
Cell test, Spectroquant COD Vials 10-150 mg/l Cell tests 1.14540.001	reagent	boxes (25 tests)	48	240		
Cell tests, Spectroquant Ammonium Vials 4-80 mg/l – 1.14559.0001	reagent	boxes (25 tests)	13	156		
DPD1 – free chlorine photometry	reagent	boxes (250 tests)	25	125		

DPD3 – Residual chlorine photometry	reagent	boxes (250 tests)	11	55		
EDTA, 0.20N -0.10M - N/5	AR Grade	2.5l	5	25		
Extran (Phosphate free) – AC007550.5		5l	2	10		
Hydranal water standard 1ppm for coulometric Karl Fisher titration, 40ml, traceable to NIST SRM 2890. Contains 10 ampoules of 4 ml	CRM	boxes (10 ampoules)	2	10		
Combicoulomat (for Karl Fischer) fritless	AR Grade	500ml	8	40		
Hydrazine sulphate	AR Grade	500g	1	5		
Hydrochloric Acid 32%	CP Grade	2.5l	5	25		
Indicator, Methyl orange indicator	CP Grade	100ml	1	5		
n-Heptane	CP Grade	2.5l	24	120		
p-Dimethylaminobenzaldehyde (D.M.B.) 3% (w/v) 99% Purity	AR Grade	100g	1	5		
Phenolphthalein – 1.07233.0100	CP Grade	100g	1	5		
Potassium Chloride	AR Grade	500g	5	25		
Potassium Hydrogen Phthalate (KHP)	AR Grade	500g	1	5		
Potassium Iodide	AR Grade	500g	1	5		
Potassium Oxalate	AR Grade	500g	1	5		
Potassium Permanganate 0.1N (Ampoule to make 1L)	reagent	Ampoule	4	20		
Sodium Carbonate Anhydrous	AR Grade	500g	2	10		
Sodium bicarbonate	AR Grade	500g	2	10		
Sodium Molybdate	AR Grade	500g	1	5		
Sodium Nitrite	AR Grade	100g	1	5		
Sodium Thiosulphate 0.1N ampoule to make 1 L	AR Grade	Ampoule	4	20		
Standard ICP, Aluminium 1000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Barium 1000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Boron 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Cadmium 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		



## CONTRACT TITLE

Standard IC, Chloride 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10		
Standard ICP, Copper 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Iron 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Lead 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Calcium 10 000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard IC, Fluoride 1000 ppm, NIST traceable 99.999% purity	AR Grade	500ml	2	10		
Standard ICP, Magnesium 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Manganese 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Molybdenum 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard IC, Nitrate 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10		
Standard ICP, Phosphorous 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Potassium 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Silicon 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Sodium 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard ICP, Strontium 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Standard IC, Phosphate 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10		
Standard IC, Sulphate 1000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10		
Standard ICP, Zink 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10		
Silicon 1000 ppm for silica analyser NIST traceable 99.999% purity	AR Grade	500ml	1	5		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

Starch soluble	CP Grade	500ml	1	5		
Sulphuric Acid (Conc) 98%	CP Grade	2.5l	8	40		
Lead nitrate	AR Grade	500g	1	5		
Sodium Floride	AR Grade	500g	1	5		
Barium Hydroxide	AR Grade	500g	1	5		
Boric Acid	AR Grade	500g	1	5		
Calcium Chloride	AR Grade	500g	1	5		
Calcium indicator ( Hydroxy Naphthol Blue)	AR Grade	450g	1	5		
Di-Sodium Hydrogen Orthophate	AR Grade	100g	1	5		
Tris(hydroxymethyl) aminomethane	AR Grade	500g	3	15		
Ammonium chloride	AR Grade	500g	2	10		
Acetylacetone	CP Grade	500gl	2	10		
Ammonium Heptamolybdate	AR Grade	500g	2	10		
Ammonium Molybdate	AR Grade	500g	2	10		
Tartaric Acid	AR Grade	500g	10	50		
Ascorbic Acid	AR Grade	500g	10	50		
Dodecyl Sulphate Sodium Salt 85 pure	AR Grade	1kg	1	5		
Diisopropylamine	AR Grade	2.5l	40	200		
Potassium Hydroxide	AR Grade	500g	1	5		
Sodium Hydroxide pallets	AR Grade	5kg	16	80		
Sodium Sulphate	AR Grade	500g	1	5		
Nitric Acid optima Grade	optima Grade	100ml	2	10		
Hydrochloric acid optima Grade	optima Grade	100ml	2	10		
Acetic Acid	AR Grade	2.5l	1	5		
Ammonium Ferrous Sulphate Hexahydrate	AR Grade	500g	3	15		
Sodium Hydrogen phosphate 99.5% purity	AR Grade	500g	1	5		
Monopotassium phosphate	AR Grade	500g	1	5		
Oxalic Acid dihydrate	AR Grade	500g	4	20		
Sodium Metasilicate pentahydrate salt	AR Grade	250g	1	5		

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CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

Sodium tetraborate	AR Grade	500g	1	5		
Aluminium Nitrate nonahydrate	AR Grade	500g	1	5		
Iron III nitrate nonahydrate	AR Grade	250g	1	5		
Strontium Nitrate	AR Grade	250g	1	5		
Manganese II Nitrate tetrahydrate	AR Grade	500g	1	5		
Copper II Sulphate Pentahydrate	AR Grade	250g	1	5		
Zinc Sulphate Heptahydrate	AR Grade	500g	1	5		
Di Phosphorus Pentaoxide	AR Grade	500g	1	5		
Eriochrome Black T-indicator	AR Grade	500g	1	5		
Ammonium Persulphate salt	AR Grade	500g	1	5		
1,5-diphenyl Carbozon	AR Grade	100g	1	5		
Mercuric Nitrate	AR Grade	50g	1	5		
Bromophenol Blue	AR Grade	25g	1	5		
Tween 20	AR Grade	500ml	1	5		
Nitrite cell test 1.14547.0001 0.03-2.3 ppm	reagent	boxes (25 tests)	24	120		
Nitrate cell test 1.14563.0001 2.2-110.7 ppm	reagent	boxes (25 tests)	3	15		
Phosphate cell test 1.14848.0001 0.0077-15.3 ppm	reagent	320 tests per box	1	5		
Hydranal - Comp site 5 reagent	AR Grade	500ml	4	20		
Aluminium test kit (1.14825.00010.02-1.2 ppm)	reagent	320 tests per box	2	10		
Chloroform	AR Grade	2.5 l	4	20		
potassium disulfite	AR Grade	500G	2	10		
4-amino-3-hydroxynaphthalene-1-sulphonic acid	AR Grade	2.5L	2	10		
Hydranal- methanol dry reagent	AR Grade	2.5 l	3	15		
Ethanol 99%	CP Grade	2.5	5	25		
<b>Glassware and consumables</b>						
A grade Volumetric flask, with plastic stopper	AR Grade	5000ml	5	25		
A grade Volumetric flask, with plastic stopper	AR Grade	2000ml	5	25		
A grade Volumetric flask, with plastic stopper	AR Grade	1000ml	5	25		
A grade Volumetric flask, with plastic stopper	AR Grade	500ml	5	25		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

A grade Volumetric flask, with plastic stopper	AR Grade	250ml	5	25		
A grade Volumetric flask, with plastic stopper	AR Grade	200ml	5	25		
A grade Volumetric flask, with plastic stopper	AR Grade	100ml	10	50		
A grade glass Conical flask	AR Grade	250ml	15	75		
glass Measuring cylinder plastic graduated	AR Grade	2000ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	1000ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	500ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	200 ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	100ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	50ml	5	25		
glass Measuring cylinder plastic graduated	AR Grade	25 ml	5	25		
A grade bulb pippet	AR Grade	100ml	5	25		
A grade bulb pippet	AR Grade	200ml	5	25		
A grade bulb pippet	AR Grade	50ml	5	25		
A grade bulb pippet	AR Grade	25 ml	5	25		
A grade bulb pippet	AR Grade	20ml	5	25		
A grade bulb pippet	AR Grade	15ml	5	25		
A grade bulb pippet	AR Grade	10ml	5	25		
A grade bulb pippet	AR Grade	5ml	5	25		
A grade bulb pippet	AR Grade	2ml	5	25		
A grade bulb pippet	AR Grade	1ml	5	25		
glass beakers graduated		5000ml	10	50		
glass beakers graduated		2000ml	10	50		
glass beakers graduated		1000ml	10	50		
glass beakers graduated		500ml	10	50		
glass beakers graduated		250ml	10	50		
glass beakers graduated		200ml	10	50		
glass beakers graduated		100ml	10	50		
glass beakers graduated		50ml	10	50		
glass beakers graduated		25ml	10	50		
glass beakers graduated		10ml	10	50		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

Burette, straight stopcock, PTFE key, Schellbach stripe, Pyrex, 0.10ml divisions, 25ml	25ml	1	5		
Burette, straight stopcock, PTFE key, Schellbach stripe, Pyrex, 0.10ml divisions, 50ml	50ml	1	5		
Culture vessel cylindrical with flat flange	1000ml	1	5		
Vacuum filtration unit/flask	250 ml	1	5		
Micro pipette	10ml	5	25		
Micro pipette	5ml	5	25		
Big plastic fannel		2	10		
Watch glass	12-15cm	10	50		
Medium plastic fannel		2	10		
Small plastic fannel		2	10		
milk plastic bottles with handle and cap	1l	150	750		
Amber schott bottles blue screw cap	250ml	20	100		
Amber schott bottles blue screw cap	100ml	20	100		
Medical syringes without rubber plunger	10ml	100	500		
Lab wash bottles	500ml	10	50		
wide mouth plastic sample bottles with caps	500ml	50	250		
wide mouth plastic sample bottles with caps	250ml	50	250		
wide mouth plastic sample bottles with caps	100ml	50	250		
Sample bottles with center tube for Swan instruments Sodium grab sample analysis	1l	50	250		
Whatman filter pappers ashless (100 in a box)	15cm diameter	25 boxes	125		
Syringe nylon filters 0.45 micro/m (100 in a box)	0.45 micropore	25 boxes	125		
whatman mebrane filter 1,2 micro/m, diameter 50mm (100 in a box)	1.2 micropore, 50mm diameter	5 boxes	25		
Cellulose Nitrate white membrane/black grid filters, pore 0.45 micro/m D47mm (100 in box)	pore 0.45 micro/m D47mm	5 boxes	25		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

Magnetic stir bar		25mm	5	25		
Magnetic stir bar		100mm	5	25		
Rubber bulb pipette filler			10	50		
pH probes replenishing Kit with renovo n and renovo x		Kit	2	10		
Nitrile disposable gloves medium		Box of 100	48	240		
Nitrile disposable gloves Large		Box of 100	48	240		
Nitrile disposable gloves x-Large		Box of 100	48	240		
Nitrile disposable gloves small		Box of 100	48	240		
		<b>GRAND TOTAL FOR 5 YEARS PERIOD</b>				<b>R</b>

**PLESAE NOTE THE REQUIRED QUANTITIES PER ANNUM REMAIN UNCHANGE OVER THE 5 YRS PERIOD.**

Document reference	Title	No of pages
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## C3.1: *PURCHASER'S* GOODS INFORMATION

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## Overview and purpose of the goods and services

Supply and delivery of laboratory chemicals and consumables for a five (5) year period.

## Specification and description of the goods

Supply and delivery of laboratory chemicals and consumables for a five (5) year period.

Chemical formula/Description	Chemical Grade	Unit of measure	Quantity per annum	Total quantities (5 yrs)
Sodium Chloride AR grade	AR Grade	500g	35	175
Sodium Carbonate AR grade	AR Grade	Ampoule	6	30
Nitric Acid 0.1 N ampoule	AR Grade	Ampoule	20	100
Nitric Acid (65%)	AR Grade	2.5 l	3	15
Ammonium Oxalate AR grade	AR Grade	500g	1	5
Ammonium solution 25% CP grade	CP Grade	2.5 l	9	45
Buffer solution, ready made, pH 4 AR grade	AR Grade	500ml	96	480
Buffer solution, ready made, pH 7 AR grade	AR Grade	500ml	96	480
Buffer solution, ready made, pH 9.21 AR grade	AR Grade	500ml	120	600
Buffer solution, ready made, pH 10 AR grade	AR Grade	500ml	96	480
BDH 4.5 Indicator (Colour change Orange to blue) CP grade	AR Grade	500ml	1	5
Camphor CP	CP grade	250g	1	5
Cell test, Ammonium Cell Tests 1.14752 (0.03-3mg/l NH <sub>4</sub> -H)	reagent	boxes (400 tests)	4	20
Cell test, Spectroquant COD Vials 10-150 mg/l Cell tests 1.14540.001	reagent	boxes (25 tests)	48	240
Cell tests, Spectroquant Ammonium Vials 4-80 mg/l – 1.14559.0001	reagent	boxes (25 tests)	13	156
DPD1 – free chlorine photometry	reagent	boxes (250 tests)	25	125
DPD3 – Residual chlorine photometry	reagent	boxes (250 tests)	11	55
EDTA, 0.20N -0.10M - N/5	AR Grade	2.5l	5	25
Extran (Phosphate free) – AC007550.5		5l	2	10
Hydranal water standard 1ppm for coulometric Karl Fisher titration, 40ml, traceable to NIST SRM 2890. Contains 10 ampoules of 4 ml	CRM	boxes (10 ampoules)	2	10
Combicoulomat (for Karl Fischer) fritless	AR Grade	500ml	8	40
Hydrazine sulphate	AR Grade	500g	1	5
Hydrochloric Acid 32%	CP Grade	2.5l	5	25
Indicator, Methyl orange indicator	CP Grade	100ml	1	5
n-Heptane	CP Grade	2.5l	24	120
p-Dimethylaminobenzaldehyde (D.M.B.) 3% (w/v) 99% Purity	AR Grade	100g	1	5
Phenolphthalein – 1.07233.0100	CP Grade	100g	1	5
Potassium Chloride	AR Grade	500g	5	25

Potassium Hydrogen Phthalate (KHP)	AR Grade	500g	1	5
Potassium Iodide	AR Grade	500g	1	5
Potassium Oxalate	AR Grade	500g	1	5
Potassium Permanganate 0.1N (Ampoule to make 1L)	reagent	Ampoule	4	20
Sodium Carbonate Anhydrous	AR Grade	500g	2	10
Sodium bicarbonate	AR Grade	500g	2	10
Sodium Molybdate	AR Grade	500g	1	5
Sodium Nitrite	AR Grade	100g	1	5
Sodium Thiosulphate 0.1N ampoule to make 1 L	AR Grade	Ampoule	4	20
Standard ICP, Aluminium 1000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Barium 1000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Boron 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Cadmium 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard IC, Chloride 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10
Standard ICP, Copper 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Iron 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Lead 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Calcium 10 000 ppm, NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard IC, Fluoride 1000 ppm, NIST traceable 99.999% purity	AR Grade	500ml	2	10
Standard ICP, Magnesium 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Manganese 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Molybdenum 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard IC, Nitrate 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10
Standard ICP, Phosphorous 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Potassium 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Silicon 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Sodium 10000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard ICP, Strontium 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10
Standard IC, Phosphate 5000 or 10000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10
Standard IC, Sulphate 1000 ppm , NIST traceable 99.999% purity	AR Grade	500ml	2	10
Standard ICP, Zink 1000 ppm , NIST traceable 99.999% purity	AR Grade	100ml	2	10

Silicon 1000 ppm for silica analyser NIST traceable 99.999% purity	AR Grade	500ml	1	5
Starch soluble	CP Grade	500ml	1	5
Sulphuric Acid (Conc) 98%	CP Grade	2.5l	8	40
Lead nitrate	AR Grade	500g	1	5
Sodium Fluoride	AR Grade	500g	1	5
Barium Hydroxide	AR Grade	500g	1	5
Boric Acid	AR Grade	500g	1	5
Calcium Chloride	AR Grade	500g	1	5
Calcium indicator ( Hydroxy Naphthol Blue)	AR Grade	450g	1	5
Di-Sodium Hydrogen Orthophate	AR Grade	100g	1	5
Tris(hydroxymethyl) aminomethane	AR Grade	500g	3	15
Ammonium chloride	AR Grade	500g	2	10
Acetylacetone	CP Grade	500g	2	10
Ammonium Heptamolybdate	AR Grade	500g	2	10
Ammonium Molybdate	AR Grade	500g	2	10
Tartaric Acid	AR Grade	500g	10	50
Ascorbic Acid	AR Grade	500g	10	50
Dodecyl Sulphate Sodium Salt 85 pure	AR Grade	1kg	1	5
Diisopropylamine	AR Grade	2.5l	40	200
Potassium Hydroxide	AR Grade	500g	1	5
Sodium Hydroxide pallets	AR Grade	5kg	16	80
Sodium Sulphate	AR Grade	500g	1	5
Nitric Acid optima Grade	optima Grade	100ml	2	10
Hydrochloric acid optima Grade	optima Grade	100ml	2	10
Acetic Acid	AR Grade	2.5l	1	5
Ammonium Ferrous Sulphate Hexahydrate	AR Grade	500g	3	15
Sodium Hydrogen phosphate 99.5% purity	AR Grade	500g	1	5
Monopotassium phosphate	AR Grade	500g	1	5
Oxalic Acid dihydrate	AR Grade	500g	4	20
Sodium Metasilicate pentahydrate salt	AR Grade	250g	1	5
Sodium tetraborate	AR Grade	500g	1	5
Aluminium Nitrate nonahydrate	AR Grade	500g	1	5
Iron III nitrate nonahydrate	AR Grade	250g	1	5
Strontium Nitrate	AR Grade	250g	1	5
Manganese II Nitrate tetrahydrate	AR Grade	500g	1	5
Copper II Sulphate Pentahydrate	AR Grade	250g	1	5
Zinc Sulphate Heptahydrate	AR Grade	500g	1	5
Di Phosphorus Pentoxide	AR Grade	500g	1	5
Eriochrome Black T-indicator	AR Grade	500g	1	5
Ammonium Persulphate salt	AR Grade	500g	1	5
1,5-diphenyl Carbozon	AR Grade	100g	1	5
Mercuric Nitrate	AR Grade	50g	1	5
Bromophenol Blue	AR Grade	25g	1	5
Tween 20	AR Grade	500ml	1	5
Nitrite cell test 1.14547.0001 0.03-2.3 ppm	reagent	boxes (25 tests)	24	120

Nitrate cell test 1.14563.0001 2.2-110.7 ppm	reagent	boxes (25 tests)	3	15
Phosphate cell test 1.14848.0001 0.0077-15.3 ppm	reagent	320 tests per box	1	5
Hydranal - Comp site 5 reagent	AR Grade	500ml	4	20
Aluminium test kit (1.14825.00010.02-1.2 ppm)	reagent	320 tests per box	2	10
Chloroform	AR Grade	2.5 l	4	20
potassium disulfite	AR Grade	500G	2	10
4-amino-3-hydroxynaphthalene-1-sulphonic acid				
	AR Grade	2.5L	2	10
Hydranal- methanol dry reagent	AR Grade	2.5 l	3	15
Ethanol 99%	CP Grade	2.5	5	25

**Glassware and consumables**

A grade Volumetric flask, with plastic stopper	AR Grade	5000ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	2000ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	1000ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	500ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	250ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	200ml	5	25
A grade Volumetric flask, with plastic stopper	AR Grade	100ml	10	50
A grade glass Conical flask	AR Grade	250ml	15	75
glass Measuring cylinder plastic graduated	AR Grade	2000ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	1000ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	500ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	200 ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	100ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	50ml	5	25
glass Measuring cylinder plastic graduated	AR Grade	25 ml	5	25
A grade bulb pipette	AR Grade	100ml	5	25
A grade bulb pipette	AR Grade	200ml	5	25
A grade bulb pipette	AR Grade	50ml	5	25
A grade bulb pipette	AR Grade	25 ml	5	25
A grade bulb pipette	AR Grade	20ml	5	25
A grade bulb pipette	AR Grade	15ml	5	25
A grade bulb pipette	AR Grade	10ml	5	25
A grade bulb pipette	AR Grade	5ml	5	25
A grade bulb pipette	AR Grade	2ml	5	25
A grade bulb pipette	AR Grade	1ml	5	25
glass beakers graduated		5000ml	10	50
glass beakers graduated		2000ml	10	50
glass beakers graduated		1000ml	10	50
glass beakers graduated		500ml	10	50
glass beakers graduated		250ml	10	50
glass beakers graduated		200ml	10	50
glass beakers graduated		100ml	10	50
glass beakers graduated		50ml	10	50

glass beakers graduated	25ml	10	50
glass beakers graduated	10ml	10	50
Burette, straight stopcock, PTFE key, Schellbach stripe, Pyrex, 0.10ml divisions, 25ml	25ml	1	5
Burette, straight stopcock, PTFE key, Schellbach stripe, Pyrex, 0.10ml divisions, 50ml	50ml	1	5
Culture vessel cylindrical with flat flange	1000ml	1	5
Vacuum filtration unit/flask	250 ml	1	5
Micro pipette	10ml	5	25
Micro pipette	5ml	5	25
Big plastic fannel		2	10
Watch glass	12-15cm	10	50
Medium plastic fannel		2	10
Small plastic fannel		2	10
milk plastic bottles with handle and cap	1l	150	750
Amber schott bottles blue screw cap	250ml	20	100
Amber schott bottles blue screw cap	100ml	20	100
Medical syringes without rubber plunger	10ml	100	500
Lab wash bottles	500ml	10	50
wide mouth plastic sample bottles with caps	500ml	50	250
wide mouth plastic sample bottles with caps	250ml	50	250
wide mouth plastic sample bottles with caps	100ml	50	250
Sample bottles with center tube for Swan instruments Sodium grab sample analysis	1l	50	250
Whatman filter pappers ashless (100 in a box)	15cm diameter	25 boxes	125
Syringe nylon filters 0.45 micro/m (100 in a box)	0.45 micropore	25 boxes	125
whatman mebrane filter 1,2 micro/m, diameter 50mm (100 in a box)	1.2 micropore, 50mm diameter	5 boxes	25
Cellulose Nitrate white membrane/black grid filters, pore 0.45 micro/m D47mm (100 in box)	pore 0.45 micro/m D47mm	5 boxes	25
Magnetic stir bar	25mm	5	25
Magnetic stir bar	100mm	5	25
Rubber bulb pipette filler		10	50
pH probes replenishing Kit with renovo n and renovo x	Kit	2	10
Nitrile disposable gloves medium	Box of 100	48	240
Nitrile disposable gloves Large	Box of 100	48	240
Nitrile disposable gloves x-Large	Box of 100	48	240
Nitrile disposable gloves small	Box of 100	48	240

- Chemicals (except for indicators) Supplied shall be AR grade or Ultrapure as indicated on the list and must be traceable to NIST.

- Only Standards with a minimum purity of 99.99% and traceable to NIST shall be supplied.
- **Buffer solution supplied should meet the following:**
  - pH 4.01 Accuracy:  $\pm 0.01$  /  $\pm 0.02$  pH at 25°C
  - pH 7.00, Accuracy:  $\pm 0.01$  /  $\pm 0.02$  pH at 25°C
  - pH 9.21, Accuracy:  $\pm 0.02$  pH at 25°C.
  - pH 10.01 Accuracy:  $\pm 0.02$  pH at 25°C
- pH buffers to be stable for up to 5 years. Expiry date (as printed on bottle) should be 18 months or longer from date received.
- **Packaging:** Ready-made buffer solution packaged in a plastic bottle. Buffer solutions must be accompanied with chart containing Temperature versus pH data covering a temperature range of 5°C to 40°C at minimum. Buffer should be Colour coded. Buffers must contain preservative and/or anti-microbial agent to prevent microbial and mould growth. Buffer solution must be accompanied with Certificate of analysis (COA) with traceability to international standards: NIST
- The supplier of should be able to supply standards and buffers from two different manufacturing processes
- The supplier must be able to provide two types of buffers (preserved for *calibration purposes* and unpreserved)
- The supplier shall supply chemicals together with their 16-point SDS as per OSH ACT 85 OF 1993 ANNEXURE: 8 and COA corresponding to specific batch. Chemicals expiry date must be indicated on the bottle and/or the corresponding COA and shall not be less than 2 year from date received. Preferably 2-5 years.
- The chemicals delivered shall be sourced from a manufacturer that SO 9001:2015 ISO 17034 / ISO Guide 34 and ISO 14001 Certified.
- Labelling of Chemicals to be done in accordance with SANS 10234 and the Supplement to SANS 10234 - List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS). The following information as a minimum shall be on the on the container label:
  - The molecular formula of the chemical for further identification.
  - Name of the Manufacturer
  - Size of container of chemical.
  - Hazard classification of the chemical as per SANS 10234 Globally harmonized system of classification (GHS)
  - Expiry Date/ minimum shelf life
  - Concentration (where appropriate),
  - Chemical Abstracts Service (CAS) number,
  - Batch/lot number,
  - Date manufactured

- If the products received by the laboratory were accepted during physical quality check but fails to pass required quality control specification during analysis, the chemical will be sent back to the supplier for replacement with a new alternative batch that meets the specification within an agreed period of time between both parties.
- The chemicals are to be delivered to the laboratory as and when required in small quantities as per the order.
- Chemical deliveries with breakage or leakage will not be accepted. Chemicals containers that begin to deteriorate during storage will be returned to the supplier for replacement at the supplier's expense. Suppliers to ensure that chemicals are stored in the suitable containers (i.e suitable for strong alkali and acids).
- Eskom will only accept responsibility of the consignment after the chemicals are booked into Stores or laboratory and signed for by an authorised Eskom person
- Packing and transportation of chemicals shall be done in accordance with SANS 10229-1 and SANS 10229-2
- Supplier if not a manufacture to provide method statement how chemicals will be transported and stored from point of departure from manufacture up to where chemicals are delivered to Lethabo PS.

#### Consumables

- only grade borosilicate glass for volumetric glassware should be supplied by the supplier.
- All volumetric glassware supplied should be graduated and calibrated at 20°C from the manufacture and each glassware supplied should be accompanied by calibration certificate.
- All sample bottles supplied should be graduated and have wide mouth for ease of sampling.

#### Health and safety risk management

RISK	MITIGATING FACTORS	LEVEL OF IMPACT (H/M/L)
<b>Time:</b>  Delays in the delivery of the chemicals and consumables	Strict Low Service damages to be imposed on the delayed key date as per the contract data and in line with the approved schedule at 2% per day up to a maximum of 15% per task order.	High
<b>Supplier:</b>  non-performance as per SOW	Early warnings and NCR's will be issued to correct the threat of receiving sub-quality products and late delivery of the goods.	Medium
<b>Quality:</b>  Chemicals and	<ul style="list-style-type: none"> <li>• The use of check sheet for quality inspection upon</li> </ul>	High



consumables supplied not meeting the scope of work requirements/ technical specification	<p>receiving of the chemicals to ensure only quality Products are received as per requirements.</p> <ul style="list-style-type: none"> <li>• If the products received by the laboratory were accepted during physical quality check but fails to pass required quality control specification during analysis, the chemical will be sent back to the supplier for replacement with a new alternative batch that meets the specification within an agreed period of time between both parties.</li> <li>• All chemicals supplied to be accompanied by COA &amp; SDS from manufacturer for batch supplied in their original manufacturer packing.</li> <li>• All volumetric glassware supplied to be accompanied by valid calibration certificates</li> <li>• NCR process will be followed for non-conforming products</li> </ul>	
<b>Safety</b> Safety: non-compliance to Eskom Life Saving Rules and Safety requirements and regulations	Service provider shall ensure Compliance to Act, Eskom Safety Standards and Specifications Act: Occupational Health and Safety Act of 1993 Standard 32-136: Standard Contractor Health and Safety Requirements. Health and Safety Specification: 32-1188	Medium
<b>Environment:</b>  Non-Conformance to Environmental Requirements	<ul style="list-style-type: none"> <li>• Contractor shall report all incidents or risks whilst on the job to the Eskom Project leader who will inform the environmental department</li> <li>• Contractor to be familiarized with Lethabo waste management procedure.</li> </ul>	Low

	<ul style="list-style-type: none"><li>• Contractor shall comply to the following environmental procedures:<ul style="list-style-type: none"><li>○ LBE22005 Environmental spill management procedure</li><li>LBE22004 Environmental waste management procedure</li></ul></li><li>• No work to be done on-site.</li></ul>	
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### Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

Name and address of the *Supplier* and the *Supply Manager*;

The contract number and title;

*Supplier's* VAT registration number;

The *Purchaser's* VAT registration number.

Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;

Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;  
(add other as required)

### 3. Constraints on how the *Supplier* Provides the Goods

#### Constraints (see clause 11.2 (5))

- Failure to meet all the requirements of the above specifications, shall result in rejection by the *Purchaser*.
- On date of delivery, Quality Control inspection shall be conducted by the *Purchaser*

#### 3.2 Incidents / Accidents

- Incidents and accidents must be reported to the *Purchaser* within 24 hours.
- First aid must be made available by the *Supplier*. Alternatively use can be made of the Lethabo medical centre at a fee. The availability of the *Supplier's* own first aid does not relieve the *Supplier* of his obligation to report and investigate the incident.

#### 3.3 Fire Prevention

- Fire prevention and protection requirements, to which *Suppliers* must comply, are detailed in LBA 00030.

#### 3.4 Protective Equipment and Clothing

- The *Supplier* supplies his own personal protective equipment necessary to carry out the *works* and the *Supplier* shall ensure that all overalls for his staff have clearly identifying **company LOGO's**
- The *Supplier* is also responsible to inspect and maintain such equipment as required in terms of the OHSACT and local procedures.

#### 3.5 Inspection of Equipment

- The *Supplier's* equipment is inspected by an authorised Eskom employee on arrival at the site.

### 3.6 Environmental Policy and Waste Handling

#### National Environmental Management Act

In carrying out his obligation as the mandatory to the *Purchaser* for this contract in terms of the National Environmental Management Act No. 107 of 1998, the *Supplier* ensures that he complies with the Act when Providing the Services or using plant, materials or equipment. The *Supplier* assumes complete responsibility for waste upon collection of the material and indemnifies the *Purchaser* against any liability in terms of Chapter 7 (particularly Section 28) of the Act.

Lethabo Environmental Procedure LBA 00040 must be adhered to.

### 3.7 Equipment or Material Access and Removal

- The *Supplier* ensures that all equipment and materials brought through the security gate is signed in at the main security gate on an OV18 form.
- If the equipment or material is to be removed the same day then the OV18 form will need to be produced at the gate when leaving the site.
- The *Supplier* is not allowed to remove any equipment or materials from site without producing the relevant OV18 forms or the equipment lists.

### 4. Health and Safety requirements (clause 17.1)

The *Supplier* ensures that he complies to the Occupational Health and Safety Act (Act 85 of 1993-Section 37 )

#### The South African National Roads Agency Limited and National Roads Act

The *Supplier* will adhere to the South African National Roads Agency Limited and National Roads Act No. 7 of 1998 at all times.

#### Safety Induction Course

- All the employees of the *Supplier* must attend a safety induction course before they will be allowed to work on the Site. It is the responsibility of the *Supplier* to ensure that all employees have attended the safety induction.
- A list of employees requiring safety induction must be submitted at least 2 days in advance of arrival on site with the date and time of arrival so that the safety induction can be arranged.

#### IBI Awareness Techniques

- "To prevent incidents and ensure continuous improvement of Lethabo Power Stations business performance in all areas affecting safety, reliability and production, it is expected of all **SUPPLIERS** service personnel, to attend a three(3) hour training session on Integrated Business Improvement Awareness, which has to be done as soon as work has commenced; This is to ensure familiarisation and use of error-prevention tools/techniques inclusive of, Pre and Post-job briefs, Risk Assessments, Self-checks(STAR principle), Job observations, Effective communications e.g.3- way, Questioning attitude, Procedural adherence, Hand overs and other related topics.
- A monthly IBI scorecard to be completed indicating the use of error prevention tools/ techniques;  
The assigned employee fulfilling the role of IBI representative has to attend the IBI representative's forum fortnightly, on Tuesdays, duration one hour.

- An IBI representative appointed by the *Supplier/Supplier/Consultant* to attend the IBI Representative Forum One (1) hour every Tuesday (forth nightly).
- IBI Awareness training will be provided by Lethabo Power Station personnel, free of charge, course bookings can be arranged by contacting Rabie Heymans on extension 5094".

#### **Transportation of passengers: open LDV's:**

No *Eskom employee* or *Supplier* would be allowed to transport passengers on the back of open light delivery vehicles (LDV's).

It is a legal requirement to provide safe transportation of *Eskom* and *Supplier* employees – therefore the following will be enforced:

- All passengers must be transported in a closed vehicle with proper and adequate seating, fitted with safety belt for the number of passengers to be transported. NO passengers may be transported on the back of a light delivery vehicle (LDV) whether open or closed.
- Tools and equipment must be properly secured.
- Only authorised drivers may transport passengers.
- Proof must be submitted on request in terms of valid roadworthiness of the vehicle/s.
- The above must apply to onsite and off-site transportation of passengers.

#### **Eskom Life Saving Rules:**

Five Life Saving Rules have been developed that will apply to all Eskom employees, agents, consultants and *Suppliers*.

- Rule 1: Open, Isolate, Test, Earth, Bond, and/or insulate before touch - that is any plant operating above 1 000 V.
- **Rule 2:** Hook up at heights - no person may work at height where there is a risk of falling.
- **Rule 3:** Buckle up – no person may drive any vehicle on Eskom business and/or on Eskom premises: unless the driver and all passengers are wearing seat belts.
- **Rule 4:** Be sober (no person is allowed to work under the influence of drugs and alcohol.
- **Rule 5:** Use a permit to work – where an authorization limitation exists, no person shall work without the required permit to work.

#### **5. Standards applicable (clause 21.1)**

Category 2: Quality Assessment

#### **6. Services and other things provided by the *Purchaser* (clause 31.2)**

Off-loading equipment is available on request.

#### **7. Packing, transport and offloading**

The *Supplier* shall transport the spares packed to ensure safe off-loading.

#### **8. Test and inspections**

The *Purchaser* reserves the right to carry out random checks in terms of any of the tests.

#### **Other requirements related to procurement**

## SUPPLIER DEVELOPMENT LOCALISATION & INDUSTRIALISATION

A maximum of 10/20 points may be awarded to a tenderer for the specific goal specified for the tender. The points scored for the specific goal must be added to the points scored for price and the total must be rounded off to the nearest two decimal places. Subject to section 2(1)(f) of the Preferential Procurement Policy Framework Act, the contract must be awarded to the tenderer scoring the highest points.

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

**NB: The following documents are required to claim preference points,**

- Valid B-BBEE certificate issued by a SANAS accredited verification agency / sworn affidavit / CIPS affidavit
- Proof of ownership / shareholding (preferably CIPC documentation) inclusive of shareholding breakdown
- Certified ID copies of shareholder(s)
- Proof of Disability (where applicable)

**Tenderer failing to provide documentation for the allocation of preference points will not be disqualified, but'**

- May only score point out of 90/80 for price
- Scores 0 points out of 10/20 for specific goals

## Section 2: Objective criteria

The inclusion of objective criteria is not mandatory but a condition for contract award. If the tenderer does not meet objective criteria; it may lead to the second-ranked tenderer being recommended for award.

## 2.1 Designated Sectors

When applicable the following stipulated minimum threshold for Local Production and Content must be achieved in full by the tenderer

a) Is this Commodity or part of it a Designated Sector?

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please indicate below Designated Components

Commodity	Components	Local Content Threshold
Not Applicable	Not Applicable	Not Applicable

**NOTE:** SBD 6.2 Declaration Form and Annex C (Local Content Declaration-Summary Schedule) are therefore **mandatory** and must be tender returnables if applicable.

## 2.2 CIDB Skills Development

Not applicable

## 2.3 National Industrial Participation Programme (NIPP)

Eskom will implement the NIPP requirement, which determines that the contractor/supplier must contact the Department of Trade, Industry and Competition (dtic) to arrange for support and development of local businesses. Eskom is required to inform the tenderers of this requirement. NIPP will only be applicable for contracts with an FGN component or content of USD 5 million or more.

The following narrative must be captured in all tenders that have import/foreign content equal to or in excess of USD 5 million:

“NIPP is a programme that seeks to leverage economic benefits and support the development of South African industry by effectively utilising the instrument of government procurement. The NIPP programme is mandatory for all government and parastatal purchases or lease contracts (goods and services) with an imported content equal to or exceeding USD 5 million.

“The programme targets South African and foreign industries, enterprises, and suppliers of goods and services to government/parastatals, where the imported content of such goods and services equals to or exceeds USD 5 million. The first customer of NIPP is the South African industry that benefits through the NIPP business plans, which, when implemented, generate new or additional business activities through one or more of the following: investment, export opportunities, job creation, increased local sales, SMME and BEE promotion, R&D, and technology transfer.

“Companies with an NIPP obligation must sign this obligation agreement with the Department of Trade, Industry and Competition (dtic) before the contract with Eskom Holdings SOC Ltd, as a purchasing entity, is signed. The obligation agreement governs the relationship between the dtic and the supplier. It defines the

NIPP obligation value(s), requirements to fulfil the NIPP obligation, performance milestones, performance monitoring processes, and the NIPP credit allocation criteria.

“All tenders with an import content that is equal to or exceeds the threshold of USD 5 million compels the winning bidder to negotiate and enter into a NIPP obligation agreement with the dtic before signing the contract with Eskom.”

#### **2.4 Mandatory Subcontracting as condition of award (not applicable)**

Subcontracting is mandatory on contracts above R30 million and is a condition for contract award.

Tenderers shall subcontract a minimum of 30% of the contract value to the following designated groups:

- an EME or QSE which is 51% owned by black people living in rural or underdeveloped area or townships.

**NOTE 1:** Tenderers shall submit the following mandatory returnable for Subcontracting:

- Subcontracting agreement signed by both with subcontractors' company registration documents (CK and B-BBEE certificate or sworn affidavit) or
- Copies of sub-contracting contracts (agreements) or copies of letters from the tenderer to the sub-contractors, stating the intent to sub-contract. The Tenderer should sign both documents and the Sub-contractor(s) earmarked.

Potential scope to be subcontracted and/or outsourced: (not applicable)

Subcontracting, in this instance, will be treated as a condition for contract award. A supplier awarded a contract may not subcontract more than 25% of the value of the contract to any other entity that does not have an equal or higher B-BBEE status level of a contributor than the supplier concerned unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract

### **Section 3: SDL&I Objectives in line with Reconstruction and Development Programme (RDP) Goals**

Tenderers who complete and submit the objectives as required, but who do not meet Eskom's targets, will not be disqualified. SDL&I objectives do not form part of scoring but commitments will form part of contractual obligations

1. **BBBEE requirements:** All tenderers are required at a minimum maintain their BBBEE status throughout the contract period:

2. **Local Procurement Content**

“Local Procurement Content” refers to value added in South Africa by South African resources. Where a single contract involves a combination of local and imported goods and/or services, the tender response must be separated into its components as per the Price Schedule included with the tender documents. Local procurement content is total spending minus the imported component.

Tenderers are required to submit their proposals in the table below.

Local Procurement Content	Eskom target	Tenderer Proposal
	100%	

### 3. Procurement spend on entities with a minimum 51% black ownership

The winning tenderer is encouraged to procure/spend on designated groups on the following paid invoices for both:

- the indirect expenses (e.g. overheads) on goods and services supplied to the contractor/supplier by designated groups; and
- direct spend on goods and services supplied by the subcontractors for the execution of the scope of work.

Activities, as a proportion of the local procurement content, which may be subcontracted to designated black owned enterprises must be submitted in a table below.

Procurement from Designated Group	Eskom Target	Tenderer Proposal
Black Owned	4.0%	
Black Women Owned	3.0%	
Black Youth Owned	2.0%	
Black Persons with Disability	1.0%	

### Section 4: SDL&I Penalty and Performance Security

Eskom will apply a penalty of 2.5% of the invoice amount for failure to meet SDL&I obligations.

Eskom will apply a penalty of 2.5% of the Contract Value for failure to meet SDL&I obligations.

For the duration of the contract, Eskom will retain 2.5% of every invoice (excluding VAT) as security for the fulfilment of all SDL&I Obligations. The retained amounts shall only be released to the Contractor upon:

- Eskom receives the SDL&I progress report/s from the contractor.
- Fulfilment of all SDL&I obligations by the contractor.
- Submission of an approved compliance report by SDL&I Department.

### Section 5: Reporting and Monitoring

- The suppliers shall on a quarterly basis submit a report to Eskom in accordance with Data Collection Template on their compliance with the SDL&I obligations described above.
- Eskom shall review the SDL&I reports submitted by the suppliers within 30 (thirty) days of receipt of the reports and notify the suppliers in writing if their SDL&I obligations have not been met.
- Upon notification by Eskom that the suppliers have not met their SDL&I obligations, the suppliers shall be required to implement corrective measures to meet those SDL&I obligations



before the commencement of the following report, failing which Retention clauses shall be invoked.

- Every contract shall be accompanied by the SDL&I Implementation Schedule, which must be completed by the suppliers and returned to SDL&I representative for acceptance 28 days after contract award. This will be used as a reference document for monitoring, measuring and reporting on the supplier's progress in delivering on their stated SDL&I commitments

## Section 6: General Information on Validity of Sworn Affidavits

**The following must be considered when it comes to validity of Affidavits;**

**Tenderers submitting B-BBEE Sworn Affidavits must ensure that the affidavits meet the following key pointers to ensure their validity:**

- Name/s of deponent as they appear in the identity document and the identity number.
- Designation of the deponent as the **director, owner or member** must be indicated in order to know that person is duly authorised to depose of an affidavit. **(Mark the applicable option).**
- Name of enterprise as per enterprise registration documents issued by the CIPC, where applicable, and enterprise business address.
- Percentage of black ownership, black female ownership and designated group. In the case of specialised enterprises as per Statement 004, the percentage of black beneficiaries must be reflected. **(No blank spaces to be left).**
- Indicate total revenue for the year under review and whether it is based on **audited financial statements** or **management account. (Mark the applicable option).**
- Financial year end as per the **enterprise's registration documents**, which was used to determine the total revenue. **(Financial year end to be stipulated by day/month/year).**
- B-BBEE Status level. An enterprise can only have one status level. **(Tick applicable level)**
- Empowering supplier status must be indicated. For QSEs, the deponent must select the basis for the empowering supplier status.
- Date deponent signed and date of Commissioner of Oath must be the same. **(The sworn affidavit must be signed in the presence of the Commissioner of Oath. Furthermore the Commissioner must also sign and stamp)**
- Commissioner of Oath cannot be an employee or ex officio of the enterprise because, a person cannot by law, commission a sworn affidavit in which they have an interest.

## List of drawings

### Drawings issued by the *Purchaser*

This is the list of drawings issued by the *Purchaser* at or before the Contract Date and which apply to this contract.

Drawing number	Revision	Title
N/A		

