



NEC3 Term Service

Short Contract (TSSC3)

A contract between Eskom Holdings SOC Ltd
(Reg No. 2002/015527/30)

for Gigawatt Zone Security System Enhancement
(Dwarsberg, Rooiberg, Chloe, Mamatsekele,
Burgersfort West, Chromore, Dikgalaopeng,
Marbelhall, Middelpunt, Peninghosta,
Sedibeng, Selonsrivier, Steelpoort, Valksfontein,
Veeplaas, Wapadskloof, Potgietersrus) for a period
of 12 months.

Contents: Compiled in accordance with CIDB Standard for Uniformity in
Construction Procurement (May 2010 amendments)

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Documentation prepared by:

C1 Agreements & Contract Data

C1.1 Form of Offer and Acceptance

Offer

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

Gigawatt Zone Security System Enhancement

(Dwarsberg, Rooiberg, Chloe, Mamatsekele, Burgersfort West, Chromore, Dikgalaopeng, Marbelhall, Middelpunt, Peninghosta, Sedibeng, Selonsrivier, Steelpoort, Valksfontein, Veeplaas, Wapadskloof, Potgietersrus) for a period of 12 months. The tenderer, identified in the signature block below, having examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, 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.

The offered total of the Prices exclusive of VAT is	RATE ONLY
Value Added Tax @ 15% is	RATE ONLY
The offered total of the Prices inclusive of VAT is	RATE ONLY
(in words)	

This Offer may be accepted by the Employer by signing the form of Acceptance overleaf 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.

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 1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)

Part 2 Pricing Data

Part 3 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 Tender 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, which must be signed by the duly authorised representative(s) for both parties.

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

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the tenderer receives one fully completed and signed copy of this document, including the Schedule of Deviations (if any) together with all the terms of the contract as listed above.

Signature(s)

Name(s)

Capacity

**for the
Employer**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tender offers, further copies of this document may be used for that purpose, duly endorsed, 'Alternative Tender No. _____'

Schedule of Deviations

Note:

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

No.	Subject	Details
1		
2		
3		
4		
5		
6		
7		

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

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

For the tenderer:

For the Employer

Signature

Name

Capacity

On behalf
of

(Insert name and address of organisation)

(Insert name and address of organisation)

Name &
signature
of witness

Date

C1.2 Contract Data

Data provided by the *Employer*

Clause	Statement	Data
General		
10.1	The <i>Employer</i> is (Name):	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
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
If the <i>Employer</i> appoints an <i>Employer's Agent</i> , the <i>Employer's Agent</i> is:		
14.5	Name	Ndivhuwo Radzilani
	Address	90 Hans van Rensburg Street, Polokwane, 0700
	Tel No.	+27 15 230 1532
	Fax No.	
	E-mail address	RadzilNM@eskom.co.za
11.2(5)	The <i>service</i> is	Gigawatt Zone Security System Enhancement
11.2(6)	The Service Information is in	the document called 'Service Information' in Part 3 of this contract.
30.1	The <i>starting date</i> is	To be advised
30.1	The <i>service period</i> is	12 months
13.2	The <i>period for reply</i> is	1 week
50.1	The <i>assessment day</i> is the	25th of each month.
51.2	The interest rate on late payment is	0% per complete week of delay.
80.1	The <i>Contractor</i> is not liable to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property in excess of	the amount of the deductibles relevant to the event
	Does the United Kingdom Housing Grants, Construction and Regeneration Act (1996) apply?	No

93.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a . If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
93.2(2)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the London Institution of Civil Engineers. (See www.ice-sa.org.za) or its successor body
93.4	The <i>tribunal</i> is:	arbitration.
	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
	The place where arbitration is to be held is	South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.
The <i>conditions of contract</i> are the NEC3 Term Service Short Contract (April 2013)¹² and the following additional conditions Z1 to Z11 which always apply:		

Z1 Cession delegation and assignment

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

Z2 Change of Broad Based Black Economic Empowerment (B-BBEE) status

- Z2.1 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.
- Z2.2 The *Contractor* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Employer* within thirty days of the notification or as otherwise instructed by the *Employer*.
- Z2.3 Where, as a result, the *Contractor's* B-BBEE status has decreased since the *starting date* the *Employer* may either re-negotiate this contract or alternatively, terminate the *Contractor's*

¹ If the previous edition applies change 'April 2013' for 'September 2009'.

² State whether attached as a 'PDF' file in terms of Eskom's licence, or to be obtained from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902 or www.ecs.co.za

obligation to Provide the Service.

- Z2.4 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 those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the service.

Z3 Confidentiality

- Z3.1 The *Contractor* does not disclose or make any information arising from or in connection with this contract available to others except where required by this contract. 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 where required by this contract the *Contractor* ensures that the provisions of this clause are complied with by the recipient.
- Z3.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Employer*.
- Z3.3 In the event that the *Contractor* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Contractor*, to the extent permitted by law prior to disclosure, notifies the *Employer* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Contractor* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
- Z3.4 The taking of images (whether photographs, video footage or otherwise) of the *Employer's* 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 *Employer*. All rights in and to all such images vests exclusively in the *Employer*.
- Z3.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

Z4 Waiver and estoppel: Add to clause 12.2:

- Z4.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties or their delegates 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.

Z5 Health, safety and the environment

- Z5.1 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*:
- 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 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.

- Z5.2 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.

Z6 Provision of a Tax Invoice and interest. Add to clause 50

- Z6.1 The *Contractor* provides the *Employer* with a tax invoice in accordance with the *Employer's* procedures stated in the Service Information, showing the correctly assessed amount due for payment.
- Z6.2 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 clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z6.3 The *Contractor* 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.

Z7 Notifying compensation events

- Z7.1 As per the conditions of NEC3 Term Service Short Contract (April 2013).

Z8 *Employer's* limitation of liability; Add to clause 80.2

- Z8.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand).

Z9 Termination: Add to clause 90.2, after the words "or its equivalent":

- Z9.1 As per the conditions of NEC3 Term Service Short Contract (April 2013).

Z10 Addition to Clause 50.4

- Z10.1 If the amount due for the *Contractor's* payment of *delay damages* reaches the limits stated in a Task Order (if any), the *Employer* may terminate the *Contractor's* obligation to Provide the Service.
- Z10.2 If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the service.

Z11 Ethics

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

Affected Party	means, as the context requires, any party, irrespective of whether it is the <i>Contractor</i> 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 <i>Contractor</i> , or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's

employees,

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

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

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

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

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

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

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

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

Z12 Insurance

Z __12.1 Replace condition of contract 82 with the following:

Insurance cover 82

82.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.

82.2 The *Contractor* provides the insurances in the Insurance Table A, from the *starting date* until the until the earlier of Completion and the date of the termination certificate.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage caused by the <i>Contractor</i> to the <i>Employer's</i> property	The replacement cost where not covered by the <i>Employer's</i> insurance The <i>Employer's</i> policy deductible as at contract date, where covered by the <i>Employer's</i> insurance

Loss of or damage to equipment, plant and materials	The replacement cost where not covered by the <i>Employer's</i> insurance The <i>Employer's</i> policy deductible as at contract date, where covered by the <i>Employer's</i> insurance
The <i>Contractor's</i> liability for loss of or damage to property (except the <i>Employer's</i> property, equipment and other things used to Provide the Service) and 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	<u>Loss of or damage to property</u> The replacement cost <u>Bodily injury to or death of a person</u> The amount required by the applicable law
Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law

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

INSURANCE TABLE B

Insurance against or name of policy	Minimum amount of cover or minimum limit of indemnity
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

Z13 Nuclear Liability

Z13.1 The *Employer* 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.

Z13.2 The *Employer* is solely responsible for and indemnifies the *Contractor* or any other person against

any and all liabilities which the *Contractor* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Contractor* or any other person or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.

Z13.3 Subject to clause Z13.4 below, the *Employer* 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 *Contractor* or any other person, or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.

Z13.4 The *Employer* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.

Z13.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

Z14 Asbestos

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

AAIA	means approved asbestos inspection authority.
ACM	means asbestos containing materials.
AL	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.
Ambient Air	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.
Compliance Monitoring	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.
OEL	means occupational exposure limit.
Parallel Measurements	means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.
Safe Levels	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.
Standard	means the <i>Employer'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.
SANAS	means the South African National Accreditation System.
TWA	means the average exposure, within a given workplace, to airborne asbestos fibres, normalized to the baseline of a 4 hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

Z14.1 The *Employer* ensures that the Ambient Air in the area where the *Contractor* 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.

- Z14.2 Upon written request by the *Contractor*, the *Employer* 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 *Contractor* may perform Parallel Measurements and related control measures at the *Contractor'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 Z14.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.
- Z14.3 The *Employer* manages asbestos and ACM according to the Standard.
- Z14.4 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.
- Z14.5 The *Contractor'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.
- Z14.6 The *Contractor* 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, 2001.
- Z14.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Employer* at the *Employer's* expense, and conducted in line with South African legislation.

Data provided by the *Contractor* (the *Contractor's Offer*)

The tendering contractor is advised to read both the NEC3 Term Service Short Contract (April 2013) and the relevant parts of its Guidance Notes (TSSC3-GN)³ in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on page 24 of the TSSC3 Guidance Notes.

Completion of the data in full is essential to create a complete contract.

10.1	The <i>Contractor</i> is (Name):	
	Address	
	Tel No.	
	Fax No.	
	E-mail address	
63.2	The percentage for overheads and profit added to the Defined Cost for people is	%
63.2	The percentage for overheads and profit added to other Defined Cost is	%
11.2(4)	The Price List is in	the document called 'Price List' in Part 2 of this contract.
11.2(4)	The offered total of the Prices for part of the service in Part 1 of the Price List is [Enter the total of the Prices from the Price List]:	R excluding VAT [in words]

³ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za.

C2 Pricing Data

C2.1 Pricing assumptions

The Price List is in two parts. Part 1 is for work described in the Service Information not requiring the *Employer* to issue a Task Order. Part 2 is for work to be carried out within a stated period of time on a task by Task basis and instructed by Task Order. The *service* may comprise work under Part 1 only or Part 2 only or a mix of both.

Entries in the first four columns of Part 1 of the Price List are made either by the *Employer* or the tenderer. Entries in the first four columns of Part 2 of the Price List would normally be made by the *Employer* as the Party most likely to know the kind of work which will be instructed by the issue of Task Orders. The tenderer then enters a rate for each item and multiplies it by the Expected quantity to produce the Price to be entered in the final column.

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 tenderer 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 the item of work which is the rate for the work multiplied by the quantity completed, the tenderer enters a rate for each item and multiplies it by the Expected quantity to produce the Price, to be entered in the final column.

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.

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

C2.2 Price List

Part 1

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

GIGAWATT ZONE SUBSTATION 17: Dwarsberg,Rooiberg,Chloe,Mamatsekele,Burgersfort West,Chromore,Dikgalaopeng,Marbelhall,Middelpunt,Peninghosta,Sedibeng,Selonsrivier,Steelpoort,Valksfont ein,Veeplaas ,Wapadskloof,Potgietersrus				
ITEM	DESCRIPTION	UNIT	SUPPLY RATE	INSTALL RATE
	<u>SECTION 1:</u>			
	<u>CONTRACT ADMINISTRATION AND GENERAL REQUIREMENTS</u>			
1,1	<u>General</u>			
	Contract administration and general obligations, including Professional Indemnity and Public Liability Insurance, (R10 million cover)			
1.1.1		Lump sum		
1.1.2	OHS Preparation and File	Lump sum		
1.1.3	Registration of Sub-contractors with Local Authority	Lump sum		
1.1.4	Performance Guarantees & General Obligations	Lump sum		
1,2	<u>Contractor's establishment on site</u>			
1.2.1	Fixed charges - Project Manager days for duration of contract	Lump sum		
1.2.2	Time related charges for duration of contract	Lump sum		
1.2.3	Provide and maintain a quality control system	Lump sum		
1,3	<u>Setting out</u>			
1.3.1	Detailed survey of installation sites	No		
1.3.2	Equipment selection and positioning	No		

1.3.3	Obtain permission to mount equipment and positions	No		
1.3.4	Termination enclosure positions	No		
1.3.5	Cable and sleeve routes: power and comms	Lump sum		
1,40	<u>Scope of supply approval</u>			
1.4.1	Design review workshop	hr		
1.4.2	Sample submissions	Lump sum		
1.4.3	Demonstration of equipment (only aspects of concern)	Lump sum		
1.4.4	Pre-installation testing and evaluation	Lump sum		
1.4.5	Training obligations as specified	Lump sum		
1.4.6	System test and commission the installation	hr		
1.4.7	As-built drawings, installation manuals & upkeep	Lump sum		
1.4.8	Termination diagrams including rack layouts amendments & upkeep	Lump sum		
1.4.9	Cable schedules including patch panels amendments & upkeep	Lump sum		
SECTION 1 TOTAL CARRIED TO SUMMARY				
ITEM	DESCRIPTION	UNIT	SUPPLY	RATE
2.1	<u>SECTION 2: EQUIPMENT</u>			
2.1.1	XV-IP Control Panel, IP,2 Way Voice, GPRS, 2 x I & 1 x O (Supply & Installed)	No		
2.1.2	Outdoor Box for Control Panel	No		
2.1.3	E-Guard Client Monitoring Solution	No		
2.1.4	Power Supply 3,2A & 7,5AH Batt Deep Cycle (Supply & Installed)	No		
2.1.5	Programming, Commissioning & Sundry Materials	No		
2.1.6	External Antenna and Connection for 868Mhz panel Omni Direct	No		
2.1.7	Pigtail for Antenna 30cm to fit in Panel KIT	No		

2.1.8	Wall mount extension Bracket Aluminium	No		
2.1.9	Outdoor Camera Mounting Bracket (Supply & Installed)	No		
2.1.10	Outdoor Stainless-Steel powder coated Anti-Vandal bracket	No		
2.1.11	OMV210 Camera Outdoor PIR Motion Viewer (Supply & Installed)	No		
2.1.12	Poles to mount HORNS	No		
2.1.13	E-mail Videos from Security Viewer - Monthly	No		
2.1.14	BOSCH LBB 1990/00 Plena Voice Alarm Controller	No		
2.1.15	TC-651M TOA REFLEX HORN SPEAKER	No		
2.1.16	1.5MM Ripcord for Speakers (Supply & Installed)	M		
2.1.17	MP3 Voice Template to generate Audio Input for Amp	No		
2.1.18	Stun Bomb	No		
2.1.19	4U Rack Cabinet	No		
2.1.20	Warning signs (Supply & Installed)	No		
2.1.21	Sim Card, Data, SMS & Voice (Supply & Installed)	No		
2.1.22	Annual Data 12 Months Contract (Supply)	No		
2.1.23	Batt AA Cell Lithium (Supply & Installed)	No		
2.1.24	Outdoor Pepper Gas	No		
2.1.25	Batt D Cell Alkaline (Supply & Installed)	No		
2.1.26	Traveling, Programming, Commissioning & Sundry materials	No		
2.1.27	Monitoring Fee 24/7 offsite Control room per Months - Contract	No		
2.1.28	SMS all signals + Opening / Closing per Months - Contract	No		
2.1.29	Full Maintenance and consumables (Supply Stun Bomb Consumable Maximum 1x Per month)	No		
2.2	<u>Other:</u>			
	Items to be listed that is required to provide a fully operational system			
	a.RX Receivers	No		
	b.			
SECTION 2 TOTAL CARRIED TO SUMMARY				
ITEM	DESCRIPTION	UNIT	SUPPLY	RATE
3	<u>SECTION 3: ELECTRICAL</u>			
3.1	<u>Conduits</u> Fixed on any surface complete with draw wires including bending, threading, jointing, draw boxes, cover plates, couplings, bends, tees, spacer bar saddles, screws, etc. as specified.			
3.2	Conduit and Accessories			
3.2.1	25mm PVC	m		
3.2.2	32mm PVC	m		
3.2.3	25mm Galvanised steel	m		

3.3	<u>Conduit Boxes</u> Wall boxes and conduit round boxes, one or two or three or four way built-in brick and/or fixed on any surface including fixing to conduit with necessary locknuts, adaptors, bushes, cover plates, screws, etc. as specified.			
3.3.1	4x4 Junction Boxes (Albro)	m		
3.3.2	60mm Round box - 25mm galvanised steel	m		
3.4	<u>Flexible conduit and accessories</u> Supply and install flexible conduit fixed onto conduit, conduit boxes, etc. including all fixing materials, adaptors, locknuts, etc. as specified.			
3.4.1	25mm Kopex - PVC	m		
3.5	<u>Modifications to Existing Distribution Boards</u> Supply and install of new circuit breakers complete with switchgears, wiring, connections, labels and including testing and commissioning			
3.5.1	10A SP, 6kA	No		
3.6	<u>New Distribution Boards</u> Manufacture, delivery, off-loading and installation of surface mounted metal distribution boards complete with frames, sub-frames, base frame, chassis, faceplates, doors, busbars, all switchgear, meters, wiring, connections, labels, mounting of board including testing and commissioning as specified and as indicated on the single line diagram drawings.			
3.6.1	DB-CAM1	No		
3.6.2	DB-CAM2	No		
3.7	<u>Excavations of trenches for sleeves</u> Allowance should be made for excavations of trenches for cables, cable ducts, road crossings, jointing pits, manholes, etc. including setting out, safeguarding, bedding, backfilling, compaction, finishing and disposing of surplus material in accordance with SANS 2001-DP3, SANS 1200 DA, SANS 1200 LC and as specified in the standard specifications.			
3.7.1	Soft Material	m ³		
3.7.2	Intermediate Material	m ³		
3.8	<u>Manholes</u> Stackable modular polyethylene cable access boxes, complete with polymer concrete lids and frame			
3.8.1	300x300 manhole, minimum of 600mm below ground level	No		
3.9	<u>Earthing and Bonding</u> Supply, delivery, installation, testing, commissioning and handing over in working condition and maintenance during the guarantee period of a complete earthing installation in accordance with the relevant SANS standards and as specified, including all fixing materials, copper straps, lugs, and connections.			
3.9.1	Cabinets	No		

3.9.2	Gate Motors	No		
3.10	<u>Electrical Testing and Commissioning</u>			
3.10.1	Allow for inspection, testing and commissioning of the complete installation in this Bill, including provision of all test equipment. Tests shall be carried out in the presence of the Engineer who shall have been notified of the dates and approximate durations of the tests, sufficiently in advance as to allow attendance to such testing.	Sum		
3.10.2	Allow for the provision of a Certificate of Compliance in terms of SANS 10142-1 specifications for each completed distribution board.	No		
3.11	<u>Documentation and Training</u>			
3.11.1	As-built drawings of the electrical installation (3 Copies) Refer to Specification	Sum		
3.11.2	Maintenance and operating manuals of the complete electrical installation in soft and hard copy as specified (3 Copies) Refer to Specification	Sum		
3.12	<u>UPS</u>			
3.12.1	1kVA 230V Single Phase input, 230V Single Phase output, On-Line Full Conversion, UPS System with 15-minute battery backup time, auxiliary output relays, complete	No		
3.13	<u>Builder's work</u>			
3.13.1	Drill through masonry walls, patch, make good and paint	Sum		
3.13.2	Repair existing tarmac, where road crossing sleeves are to be installed	Sum		
3.13.3	Repair existing concrete, where road crossing sleeves are to be installed	Sum		
3.13.4	Repair existing paving, where road crossing sleeves are to be installed	Sum		
3.14	Any other items specified or required but not measured			
SECTION 3 TOTAL CARRIED TO SUMMARY				
ITEM	DESCRIPTION	UNIT	SUPPLY	RATE
4	<u>SECTION 4: Miscellaneous</u>			
4.1	O&M documentation and certificates			
4.1.1	O+ M Technical documentation draft and final submission (2 sets hard copy and sets soft copy) as specified, Incl system setup on memory stick	Sum		
4.1.2	As-built drawings (2 sets hard copy, set soft copy)	Sum		
4.1.3	System Schematic Drawings (2 sets hard copy, set soft copy)	Sum		
4.1.4	Photo Report of Complete Installation	Sum		
4.2	Client training			

4.2.1	End-user training session	Hr		
4.2.2	End-user follow-up training session	Hr		
4.3	Testing and Commissioning			
4.3.1	Programming and Configuration of all Video Analytics			
4.3.2	GUI Maps overlays of all buildings, areas and site for all subsystems, e.g. alarm icons, camera icons, etc.	Sum		
4.3.3	Compile Commissioning Procedure for approval by Engineer	Sum		
4.3.4	Final inspection with Eskom Maintenance, tests and demonstration	Sum		
4.3.5	Final inspection with Eskom Maintenance, tests and demonstration	Sum		

C3: Scope of Work

C3.1 Service Information

Gigawatt Zone Security System Enhancement (Dwarsberg, Rooiberg, Chloe, Mamatsekele, Burgersfort West, Chromore, Dikgalaopeng, Marbelhall, Middelpunt, Peninghosta, Sedibeng, Selonsrivier, Steelpoort, Valksfontein, Veeplaas, Wapadskloof, Potgietersrus).

1. Description of the service

The purpose of the document is to outline the requirements for the design, supply and installation of Video Verified Alarm systems at GigaWatt Zones. The bills of materials for each of the high-risk sites identified within the two zones will be attached to the scope of work.

The scope of work includes:

- Design, supply and installation of video verified alarm intruder detection system with capabilities to notify the Eskom respondents of any unauthorized access to its properties.
- The video verification will allow the Eskom response company to assess the situation and respond with an appropriate team of people equipped to deal with the situation.
- The systems must be linked to Eskom Control Room In Middleburg.
- The alarm systems must be able download and store Video images remotely.
- The alarm system shall be a cordless (wireless) alarm system with built-in Video Verification.
- It shall have a minimum of 25 (twenty-five) wireless input zones, depending on the size of each substation.
- It shall be capable to monitor indoor passives, outdoor passives, smoke sensors, indoor sirens, outdoor sirens, badge readers, door contacts and keypads.
- The alarm system shall consist of a control panel, outdoor detectors, indoor detectors plus all necessities arming station (keypad, remote or badge reader). The alarm system shall be capable of having a smoke sensor, indoor sirens and outdoor sirens.
- The equipment shall include and integrates with all the features and signals of a standard alarm system like tamper, opening/closing, periodic test, supervision, low batteries, panic, duress, etc.
- The system must be accompanied by a maintenance, Support and Monitoring for 1 year.

2.1.1 Technical Description

VIDEO VERIFIED ALARM EQUIPMENT (VIDEOFIED)

- The video verified alarm system shall be an intruder detection system that will notify the Employer of any unauthorized access to its property or facilities.
- The video verification will allow the Employer's response company to assess the situation and respond with an appropriate team of people equipped to deal with the situation.

- Any event that initiates a video alarm shall push an alarm and a video to the control room. Video images shall be automatically downloaded and stored remotely from the site.
- The alarm system shall be a cordless (wireless) alarm system with built-in Video Verification. It shall have a minimum of 25 (twenty five) wireless input zones. It shall be capable to monitor indoor passives, outdoor passives, smoke sensors, indoor sirens, outdoor sirens, badge readers, door contacts and keypads.
- The alarm system shall consist of a control panel, outdoor detectors, indoor detectors plus all necessities arming station (keypad, remote or badge reader). The alarm system shall be capable of having a smoke sensor, indoor sirens and outdoor sirens.
- The equipment shall include and integrates with all the features and signals of a standard alarm system like tamper, opening/closing, periodic test, supervision, low batteries, panic, duress, etc.
- The video verified control equipment shall be capable and integrates both audio and video verification technology and shall transmit all its signals (alarm and or video) by IP (Ethernet) and/or GPRS for redundancy. In case of a transmission failure, the system shall automatically fail over to the backup transmission path. The way the system fails over from IP to GPRS or vice-versa shall be programmable. The built-in Ethernet transmitter shall have full DHCP capabilities. It shall be programmed with a static IP, subnet mask and gateway to connect to the IP network when required.
- The built-in GSM/GPRS transmitter of the video verified control equipment shall be a quad-band modem that includes the 900/1800 band. It shall allow for the programming of a specific break-out APN so that if a cell network provider is down, the system can break-out to another network.
- The transmission radios shall use an AES 128 bits encrypted two-way protocol. The radio on site shall be supervised by the detectors and the control panel. All communications between the alarm systems and its devices shall be Spread Spectrum, Videofied®, Interactive AES.
- Encrypted Wireless technology provides optimum signal integrity and security.
- The video verified security system shall integrate with most major monitoring software in South Africa like Oryx Listener, Watch Manager and QT Watch.
- The alarm system shall be capable to operate on lithium batteries for up to 4 years under normal use without the need to replace the batteries.

Arming and disarming:

- The alarm system shall be capable of arming and disarming itself based on a weekly schedule. This schedule must be programmable remotely from the control room.

Output relay:

- The alarm system shall have at least one output for the purpose of activation of third-party device. The applicant shall demonstrate the capability of its system to trigger on-site pepper-spray, smoke cloak, sirens or any other third party device through the output of its alarm system.

- The output of the alarm system shall be capable of being triggered from the control room.

Inputs:

- The alarm system shall have at least two (2) inputs for the purpose of monitoring of third-party devices. The inputs shall work in NC or NO mode.

Power supply:

- The alarm system shall have a 12V DC input and operate on such 12V DC input as long as it remains a stable power source. Should the 12V DC power source fail, the system shall seamlessly switch over to its internal batteries for a minimum period of 12 months or until such time that the 12V DC source reinstates. The maintenance period of the alarm system should be no less than one year. That includes maintenance of the batteries.
- The Intelligent Power Supply / Battery charger unit shall be a Sherlotronics or any other approved Back-up Power Supply: 3.2AMP and designed to meet with international safety and certification standards. The unit shall have under and over voltage protection and shall be double fuse-protected. The power supply shall be fitted with a 7,5AH deep cycle battery.
- Sufficient lightning protection shall be included in all external power supplies.
- If an external power supply is used, the absolute minimum time of back up while on batteries shall be six months.

OUTDOOR MOTION DETECTION SYSTEM WITH VIDEO VERIFICATION:

- The outdoor MotionViewer detection system shall consist of an IP65 battery powered passive infra-red detector (PIR).
- The outdoor PIR shall include a **colour** day/night vision camera for the purpose of video verification. The solution shall virtually eliminate all false/nuisance alarms. The MotionViewer shall be provided with optional lenses: vertical and horizontal curtain detection and a long range beam (up to 18m).
- The MotionViewer shall have a 24/7 monitored tilt and tamper sensor.
- Each detector shall be capable to operate on its own internal batteries for up to 4 years. It shall have its own Lithium batteries without any external power source.
- The angle of detection shall be 90 degrees with a detection distance of 8 to 12 meters.
- In order to minimize false alarms and maintenance cost, the sensitivity of the detectors shall be programmable on site and it shall also be programmable remotely from the control room.
- For security purpose and ease of maintenance, the outdoor detector shall be wireless with its own built-in batteries. The maintenance period of the outdoor detector should be no less than (4) four years - standard usage (up to 5 videos per month). That includes maintenance of the batteries. No rechargeable batteries will be accepted.
- No cables will be allowed to connect to the outdoor detectors.
- The Contractor shall demonstrate the robustness of the outdoor detector with previous successful experience in tough outdoor environments

INDOOR MOTION DETECTION SYSTEM WITH VIDEO VERIFICATION:

- The indoor MotionViewer detection system should consist of a battery powered passive infra-red detector (PIR). The indoor PIR shall include a colour day/night vision camera for the purpose of video verification.
- The angle of detection shall be 90 degrees with a distance of 8 to 12 meters. In order to minimize false alarms and maintenance cost, the sensitivity of the detectors shall be programmable on site and it shall also be programmable remotely from the control room.
- For security purpose and ease of maintenance, the indoor detector shall be wireless with its own built-in batteries. The maintenance period of the indoor detector should be no less than one year. That includes maintenance of the batteries. No rechargeable batteries will be accepted. No cables will be allowed to connect to the indoor detectors.
- Each indoor detector shall be capable to operate on its own internal batteries for up to 4 years - standard usage (up to 5 videos per month). It shall have its own Lithium batteries without any external power source.

Video verification:

- The outdoor and indoor detection system shall include a colour day/night vision camera for the purpose of video verification. The angle of view of the camera should match the angle of detection of the PIR.
- The quality of the camera should be sufficient to verify any activation by the PIR, indoor and outdoor. The video shall be of a minimum of ten seconds with a minimum of five frames per second to allow for verification of an alarm. A video shall be associated to every alarms triggered by the indoor or outdoor PIRs.
- Contractors shall demonstrate the effectiveness of the day/night vision camera with previous successful experience in tough indoor and outdoor environment.

Transmission cost:

- The alarm and the video shall be transmitted to the control room in a timely manner without the use of expensive bandwidth. The absolute maximum time of transmission of an alarm with enough visual information to verify it shall be sixty seconds.
- The cost of transmission shall be borne by the client.

OUTDOOR SIREN: OPTIONAL EXTRAS

- The outdoor siren shall generate audible tone of minimum 100 dBA output at 1 meter. The siren shall have 24/7 standard wall and cover dual tamper detection. The siren shall be a wireless and battery-powered siren.
- The siren shall be powered with 3 x LR20 alkaline batteries : 4 years battery life.

INDOOR KEYPAD:

- The Indoor Keypad Model shall be designed for use in configuring/programming and operating a the video verified alarm system.

The keypad shall include the following features:

- Lithium batteries for long life up to 4 years;
- 2-line, 16-character alphanumeric LCD display;
- Built-in piezo for status and alarm sounds;
- Dual tamper function provides detection of both wall and cover tamper;
- Transmits check-in/status signal every 8 minutes.

MIXER AMPLIFIERS: OPTIONAL EXTRAS

- The alarm system shall be connected to an ITC 120WRMS mixer amplifier should the bill of quantities request FightBack solutions.
- The mixer amplifiers shall have at least 3 microphone inputs, 2 aux inputs and 1 EMC input.
- Individual gain controls shall be provided for Mic 1-3 and Aux 1-2, bass and treble controls and master volume control. The amplifier shall have overall tone control.
- The mixer amplifier shall be capable to provide audio output of 70V, 100V and low impedance 4-16 ohms speaker outputs are provided plus extensive protection from short-circuit, overload and high temperature.

SPEAKER PAGING PROJECTORS: OPTIONAL EXTRAS

- The mixer amplifier shall be connected to a Penton PH30T 70V or 100V in line transformer speaker with capacitor. The speaker shall have a minimum of 30W capability.

APPLICABILITY

This document is applicable to the works related to the design, supply and installation of Video Verified Alarm systems at GigaWatt Zones.

2. Specifications

Title	Date or revision	Tick if publicly available
<u>General Specifications:</u>		

Health and Safety requirements	Latest	
Environmental requirements	Latest	
Site regulations and access control	Latest	
Waste Management Procedure	EPC 32-245	
Recommended Herbicides	Latest	
Eskom Distribution Standard Copies available from Eskom Distribution Technology, Technical Administrator, Telephone 011-871 2214. Important Note: where material options (i.e coastal and inland) are available the coastal option will be applicable in Eskom's Limpopo Operating Region (Refer to Engineering Instruction EI-039-MVL).	Latest	
Environnemental Management Environnemental Management Programme (EMP) Procedure SHEQ Policy	Latest	
Quality Quality Management Specification for Suppliers	Latest	
Safety Occupational Health and Safety Requirements to be met by Contractors and Subcontractors Employed by Eskom. Co-ordination of Safety on Capital Projects Standard applicable to Contractors working in Close Proximity to Live Apparatus	Latest	
Management of Substance Abuse	Latest	
Business Conduct Suspending Suppliers from Eskom's Supplier Lists Eskom Business Conduct Policy and Guidelines Declaration of Conflict of Interest Copies of the abovementioned documents are not attached but are available from Eskom's Tender Advise Centre, Clare Loittering, (031) 710 5429	Latest	
Technology & Quality Engineering Instruction : Generic Stubby Line	Latest	
Authorisation of contractors / Eskom staff	Latest	
Standard for a fall arrest system Procedure for using a fall arrest system Specification for a fall arrest system	Latest	
Checklist of Eskom Qualified Suppliers List of Eskom Qualified Suppliers	Latest	

Employer's requirements for the service

All suppliers shall comply with, but not limited to the following legislation during the period of this contract.

- The National Road Traffic Act (Act 93 of 1996)
- The Hazardous Substance Act (Act 15 of 1973)

- The Occupational, Health and Safety Act (Act 85 Of 1993)
- The Environment Conservation Act (Act 73 of 1989)
- The National Environmental Management Act (Act 107 of 1998)
- The National Water Act (Act 36 of 1998)
- The National Waste Management Act (Act 59 of 2008)

All suppliers shall comply with all relevant Eskom procedures but not limited to the following:

- Waste Management Procedure: EPC 32-245
- The Limpopo Operating Unit (LOU) Waste Management Plan
- Safety, Health, Environmental and Quality Policy: 32-727
- Procedure for the Effective Management of Safety, Health and Environmental Related Incidents: 32-95
- Eskom vehicle and driver safety management procedure rev 6 : 240-62946386

Management strategy and start up.

Management meetings

Regular meetings of a general nature may be convened and chaired by the *Service Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	As required	Service Manager's office	Both parties
Overall contract progress and feedback	As required	Service Manager's office	Both parties

Documentation control

All contractual Documentation must have relevant contract number and Purchase Order Number as reference as per Eskom Holdings SOC Ltd Standards . Contractual communications will be in the form of properly compiled letters, letters attached to emails, emails, NEC3 template and urgent contractor meetings can be in the form of sms. The use of sms's, emails does not override the use of applicable and relevant NEC3 standard templates, forms and Eskom Holdings SOC Limited procedures.

Invoicing and payment

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 showing the amount due for payment equal to that stated in the *Service Manager's* payment certificate.

The *Contractor* shall address the tax invoice to

and include on each invoice the following information:

Name and address of the *Contractor* and the *Service Manager*;
The contract number and title;
Contractor's VAT registration number;

The *Employer's* VAT registration number 4740101508;
Description of service provided for each item invoiced based on the Price List;
Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
(add other as required)

Add procedures for invoice submission and payment (e. g. electronic payment instructions)
Within one week of receiving a payment certificate from the *Service Manager* the *Contractor* provides the *Employer* with a tax invoice showing the amount due for payment equal to that stated in the *Service Manager's* payment certificate.

Contract change management

For any change in scope, such changes must be treated as Compensation Events.

Records of Defined Cost to be kept by the *Contractor*

In order to substantiate the Defined Cost of compensation events, the *Employer* may require the *Contractor* to keep records of amounts paid by him for people employed by the *Contractor*, Plant and Materials, work subcontracted by the *Contractor* and Equipment. A site diary will be required.

Insurance provided by the *Employer*

The insurance provided by the Employer, is addressed under the contract data.

Training workshops and technology transfer

To be advised by the Service Manager, as required

Design and supply of Equipment

N/A

Things provided at the end of the *service period* for the *Employer's* use Equipment

As per the scope of works.

Information and other things

As per the scope of works.

Environmental constraints and management

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure

Guidelines of Compiling an Environmental Policy Environmental policy

The environmental policy is the driver for implementing and improving the organization's environmental management system so that it can maintain and potentially improve its environmental performance. The policy should therefore reflect the commitment of top management to comply with applicable laws and to demonstrate continual improvement. The policy forms the basis upon which the organization sets its objectives and targets. The policy should be sufficiently clear to be capable of being understood by internal and external interested parties and should be periodically reviewed and revised to reflect changing conditions and information.

Top management shall define the organization's environmental policy and ensure that it:

Top management includes people on site, at head office, or any member of a controlling group designated to be management of the organization.

A site or an operating unit does not need to document its formal adoption of a corporate environmental policy if the corporate policy, as defined by its scope, applies to the site or operating unit. In addition, the corporate policy will need to be adequately specific to the site or operating unit.

If the site or corporate policy is modified to suit the site or operating unit, then these changes must be documented.

a) is appropriate to the nature, scale and environmental impacts of its activities, products or services;

for example, an organization involved in activities with a high environmental risk (for example, scheduled processes) would be expected to provide more specific undertakings in its environmental policy than an organization involved in low risk activities. The environmental policy should also address the different types of environmental impacts of the organization's activities, products or services.

This does not imply that all environmental impacts be addressed in the policy but that the framework of the policy covers all significant impacts (see 4.2 d).

b) includes a commitment to continual improvement and prevention of pollution;

The words "continual improvement" and "pollution prevention" do not need to be explicitly mentioned as long as similar words are used or there are clear statements in the policy that directly address pollution reduction

(for example, waste minimization, source reduction and cleaner technologies) and continual improvement. Pollution prevention is more than just pollution control and requires preventive measures, instead of only control.

c) includes a commitment to comply with relevant environmental legislation and regulations,

Compliance with all relevant legislated and other requirements (National, provincial and local) is a minimum requirement for certification.

Exceptions to this are where:

- a) The authorities have been informed of the non-compliance in writing;*
- b) A corrective action programme is in place;*
- c) Evidence is available that the authorities have accepted the corrective action programme;*
- d) Evidence is available that the corrective action programme is being implemented.*

Where a permit for a process of the organization has expired and the organization can provide evidence of due diligence, for example, records of telephone calls, faxes to the regulator or minutes of meetings with the regulator showing that they are in the process of applying for new permits.

The word comply does not need to be explicitly mentioned in the environmental policy, as long as there are similar words (for example, adhere to, in accordance with) clearly communicating commitment to compliance with legislation and regulations.

d and with other requirements to which the organization subscribes;

The "other requirements" may include:

- a) Industry initiatives, non-regulatory guidelines or codes of practice such as Responsible Care or more general environmental initiatives such as the business Charter for Sustainable Development to the extent that the organization has formally adopted them;
- b) Agreements with public authorities;
- c) Formal management systems such as SABS ISO 9001/2, NOSA and ISRS; and
- d) Corporate or Head office requirements.

If an organization subscribes to other requirements (as in 4.2(c) a) and b) above in their environmental policy then:

- 1) The certification body will verify compliance with these requirements;
- 2) Compliance with those requirements will not be included in the scope of the certificate; and
- 3) Non-compliance with these requirements could provide grounds for not granting certification.

If an organization subscribes to other requirements (as in 4.2(c) c) above then the certification body will only verify compliance with the SABS ISO 14001 requirements and not to those other formal management systems. (An exception to this is where the organization requests a combined SABS ISO 14001 and SABS ISO 9000 certification assessment/audit).

e) Provides the framework for setting and reviewing environmental objectives and targets;

The policy should be sufficiently detailed to provide a yardstick against which the organization's environmental performance can be evaluated.

The policy wording must be specific enough so that specific objectives and targets can be formulated from it by the organization in order to implement the policy.

f) Is documented, implemented and maintained ...

The policy can be documented in any form (i.e. paper or electronic).

All the requirements of SABS ISO 14001 shall be addressed and an organization cannot elect to omit any of these requirements from its environmental management system.

Policies tend to set long-term goals.

The policy should be periodically reviewed and revised in response to new information and changing circumstances.

The policy must be reviewed periodically – at least annually.

It is not expected that the policy be reissued annually. A well-developed policy can effectively drive the organization's environmental management system for several years.

g) ... and communicated to all employees;

Communication involves both the transmission and the understanding of the policy.

Communication mechanisms can include posting the policy in common areas, distributing it by memo, and reviewing it at staff or "toolbox talks" meetings.

A person's level of knowledge of the policy should be proportional to his/her level of responsibility in the environmental management system i.e. senior staff responsible for ensuring implementation need a greater knowledge of the policy than personnel at shop-floor level. In the South African context, unskilled, illiterate workers cannot be expected to have in-depth knowledge of the contents of the environmental policy, however all employees are expected to have an idea of the concepts of the environment, why it is important to protect the environment, and of their role in achieving this (see also 4.4.2).

h) is available to the public

The policy must be available to any interested party on request.

The words "is available" do not necessarily mean that the organization has to pro-actively distribute the policy to the public. The organization should however make the public aware of the fact that the policy is available.

A mechanism should be in place to have the policy available to the public.

i) Key component of the policy

The policy provides an environmental purpose and set of values for the organization to follow.

The policy should:

- a) Be relevant and straightforward;
 - b) Relay that protection of the environment is a top priority of the organization;
 - c) Show commitment to continued improvement of environmental performance and compliance with the laws and regulations;
 - d) Clearly specify which organizational activities are covered by the statement;
 - e) Be a natural jumping-off point for setting environmental objectives and targets;
 - f) Provide a framework for assessing progress made with the targets and objectives that are oriented towards minimizing environmental impacts.
- j) Communication, promotion and support of policy**

The policy statement will be totally ineffective if the commitment it contains is not communicated, made available, promoted and supported by all. It is important to note that the policy:

- a) Should be available to all employees in the organization;
 - b) Should be communicated repeatedly after a period of time as a reminder;
 - c) Should be made available to the public;
 - d) Should be promptly provided whenever a copy is required;
 - e) Should be signed by top management to show commitment and support.
- Repeated exposure is the key to communicating the policy effectively thus it can be posted, communicated through news letters or sent to desktop personal computers.

Quality assurance requirements

As per Tender Supplier Quality requirements.

Procurement

People

Minimum requirements of people employed

N/A

BBBEE and preferencing scheme

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

Subcontracting

Preferred subcontractors

The NEC Engineering & Construction Short Contract refers:

Contractors are requested to submit names of proposed "Subcontractors" to be utilized on this project.

Contractors are advised that only Eskom Approved Consultants and Contractors who have completed the necessary Eskom Contractor Training & Accreditation may be used.

Subcontractor	Section of Work to be Subcontracted	Vendor No.

Subcontract documentation, and assessment of subcontract tenders

As per Terms and Conditions of NEC Term Services Short Contract

Limitations on subcontracting

Tenderers are not allowed to sub-contract more than 25% of the contract value to another enterprise, **subcontracting must be approved by the Service Manager.**

Attendance on subcontractors

None

Correction of defects

Defects to be corrected within 1 Week.

Working on the Affected Property

The Contractor must adhere the OHSA Act.

List of drawings

Drawings issued by the *Employer*

Drawing number	Revision	Title
		N/A

Access to the Eskom Web Page

All contractors must make sure that they can access Eskom Web page at any given time to get the latest drawings and specifications before commencement of any task. Web Access applications can be done through the assistance of Brenda Morrison @ 011 629 5266 or MorrisEF@eskom.co.za

Acknowledgement of Web Access/and or application for Web Access

Ido hereby acknowledge having/applied for access to the Eskom Distribution Website with all Distribution Procedures, Standards and Drawings as they will be listed in the index of the Task Order documents.

I undertake to study and abide by these requirements at all times. If for any reason I cannot access or open any of the files on the web, I will contact the *Employer* immediately.

Contractors Signature:

Signed at: on the day of

**SECTION 37(2) AGREEMENT
CONCLUDED BETWEEN
ESKOM HOLDINGS SOC LIMITED**
(Hereinafter referred to as Eskom)

AND

.....
(Name of contractor/supplier)

I,[(name)representing

..... [insert name of contractor/supplier],

do hereby acknowledge that [insert name of contractor/supplier] is an employer in his/her own right, with duties as prescribed in the Occupational Health and Safety Act No. 85 of 1993 ("the Act"), as amended, and agree to ensure that all work will be performed and/or machinery or plant used in accordance with the provisions of the Act.

I undertake that [insert name of contractor/supplier] shall strictly adhere to, and ensure that his/her employees adhere to, the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).

I have been provided with SHE specifications for project/service[insert

brief details of project/service, for example, name, contract/project number] and will comply with the requirements set out in these.

I accept and agree that the SHE specifications constitute arrangements and procedures between

..... [insert name of contractor/supplier] and Eskom,

which will ensure compliance by [insert name of contractor/supplier] with the provisions of the Act, as contemplated in section 37(2) of the Act.

This agreement constitutes the sole agreement between the parties, and no variation, modification, or waiver of any of the provisions of this agreement or consent to any departure from these shall, in any manner, be of any force or effect, unless confirmed in writing and signed by both parties, and such variation, modification, waiver, or consent shall be effective.

Occupational Health and Safety Act: Section 37(2) Agreement – Form	Document Identifier	240- 77037682	Re v	1
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only in the specific instance and for the specific purpose and to the extent for which it was made or given.

This agreement is signed on behalf of the parties, each signatory to this warranting that he/she has the requisite authority to do so.

Signed this day of 20 at

..... (Place)

(Full name)..... (Signature)on

behalf of(supplier/contractor)

Contractor Responsible Manager (responsible for signing the Eskom contract on behalf of the contractor)

Witnesses

1.

2.

Signed this day of20.....

at (Place)

(Full name..... (Signature).....on

Behalf of **Eskom Holdings SOC Limited.**

(Contracts and/or Project Manager or Eskom's representative)

Witnesses

1.

2.