

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.



NEC3 Term Service Contract (TSC3)

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

and

**for Provision of C&I Cable pulling, installation,
commissioning including Fibre Optic splicing and
Outage scope of work on "as and when required"
basis for the period of 60 Months**

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INVITATION TO TENDER NO.

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

PART C1: AGREEMENTS & CONTRACT DATA

Contents:

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C1.1 Form of Offer & Acceptance

Offer

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

C&I Cable pulling, installation, commissioning including Fibre Optic splicing and Outage scope of work on "as and when required" for a Period of Five Years (60) months.

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

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

Options A	The offered total of the Prices exclusive of VAT is	R
	Sub total	R
	The offered total of the amount due inclusive of VAT is ¹	R

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

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Tenderer's CIDB registration number:

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

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Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)			
Name(s)	Chirstopher Nani		
Capacity	General Manager Kusile Power Station		
for the Employer	Eskom Holdings SOC Limited Kusile Power Station Generation Division R545 Kendal/Balmoral Road, Haartebeesfontein Farm, Witbank Postnet Suite 283, Private bag x 7297, Witbank, 1035		
Name & signature of witness		Date	

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

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

Note:

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

No.	Subject	Details
1	Legal and Technical Deviations	2104237 Kusile_Legal_CommentsAndDeviations_20202412

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

Name &
signature
of witness

Date

Christopher Nani

General Manager Kusile Power Station

Eskom Holdings SOC Limited

Kusile Power Station

Generation Division

R545 Kendal/Balmoral Road,

Haartebeesfontein Farm, Witbank

Postnet Suite 283, Private bag x 7297,

Witbank, 1035

Matshidiso Kgafane

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C1.2 TSC3 Contract Data

Part one - Data provided by the *Employer*

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option:	
		A: Priced contract with price list
	dispute resolution Option	W1: Dispute resolution procedure
	and secondary Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X18: Limitation of liability
		X19: Task Order
		Z: Additional conditions of contract
	of the NEC3 Term Service Contract April 2013 ² (TSC3)	
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
	Tel No.	+27 13 699 7540
	Fax No.	+27 86 537 3334
10.1	The <i>Service Manager</i> is (name):	Stanley Mathye
	Address	Eskom Holdings SOC Ltd, Kusile Power Station
	Tel	+27 13 699 7547
	Fax	Postnet suite 283
	e-mail	Private bag x7297
11.2(2)	The Affected Property is	Kusile Power Station

² Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902 www.ecs.co.za

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11.2(13)	The <i>service</i> is	C&I Cable pulling, installation, commissioning including Fibre Optic splicing and Outage scope of work on "as and when required" for a Period of Five Years (60) months.
11.2(14)	The following matters will be included in the Risk Register	All risks will be identified prior, addressed and registered during the Risk register meeting that will take place as agreed between the parties.
11.2(15)	The Service Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	1 week
2	The Contractor's main responsibilities	Data required by this section of the core clauses is also provided by the <i>Contractor</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data
21.1	The <i>Contractor</i> submits a first plan for acceptance within	2 weeks of the Contract Date
3	Time	
30.1	The <i>starting date</i> is.	
30.1	The <i>service period</i> is	60 Months
4	Testing and defects	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data
5	Payment	
50.1	The <i>assessment interval</i> is	30 days from receipt of invoice, between the 20th and last day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	60 days
51.4	The <i>interest rate</i> is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged by from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted</p>

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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	Use of Equipment Plant and Materials	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 and insurance	
80.1	These are additional <i>Employer's</i> risks	<ul style="list-style-type: none"> • Plant Sections unavailability due to sectional plant activities • Community and/or site employees unrest • Unavailability of work site security access permits
9	Termination	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
10	Data for main Option clause	
A	Priced contract with price list	
20.5	The <i>Contractor</i> prepares forecasts of the final total of the Prices for the whole of the <i>service</i> at intervals no longer than	4 weeks.
11	Data for Option W1	
W1.1	The <i>Adjudicator</i>	The person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).

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

12 Data for secondary Option clauses

X1	Price adjustment for inflation													
X1.1	The <i>base date</i> for indices is	Contract Award												
	The proportions used to calculate the Price Adjustment Factor are:	<table> <tr> <th>proportion</th><th>linked to index for</th><th>Index prepared by</th></tr> <tr> <td>0.9</td><td>Labour</td><td>Table C3</td></tr> <tr> <td>0.1</td><td>non-adjustable</td><td></td></tr> <tr> <td>1.00</td><td></td><td></td></tr> </table>	proportion	linked to index for	Index prepared by	0.9	Labour	Table C3	0.1	non-adjustable		1.00		
proportion	linked to index for	Index prepared by												
0.9	Labour	Table C3												
0.1	non-adjustable													
1.00														
X2	Changes in the law	There is no reference to Contract Data in this Option and terms in italics are identified elsewhere in this Contract Data.												
X17	Low Service damages													
X17.1	The service level table is in	The penalty of 10% of the task order limited to 15% of the task order, will be deducted should the contractor fails to action the task as required by the Employer or as per the service information.												
X18	Limitation of liability													
X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to	R0.0 (zero Rand)												
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to	the amount of the deductibles relevant to the event described in the "Format TSC3" insurance policy available on http://www.eskom.co.za/Tenders/InsurancePolicies.Procedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx												

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X18.3	The <i>Contractor's</i> liability for Defects due to his design of an item of Equipment is limited to	Maximum liability does not exceed five percent (5%) of the total of the Contract Prices.
X18.4	The <i>Contractor's</i> total liability to the <i>Employer</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	Maximum liability does not exceed the total Prices in the relevant Task Order of this Contract for performing the specific affected activity. <ul style="list-style-type: none"> • The <i>Contractor's</i> total liability for the additional excluded matters is not limited.
X18.5	The <i>end of liability date</i> is	2 months after the end of the service period.
X19	Task Order	
X19.5	The <i>Contractor</i> submits a Task Order programme to the <i>Service Manager</i> within	1 day of receiving the Task Order
Z	The additional conditions of contract are	Z1 to Z14 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 Joint ventures

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

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

- Z3.1 Where a change in the *Contractor's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Contractor's* B-BBEE status, the *Contractor* notifies the *Employer* within seven days of the change.
- Z3.2 The *Contractor* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Service Manager* within thirty days of the notification or as otherwise instructed by the *Service Manager*.
- Z3.3 Where, as a result, the *Contractor's* B-BBEE status has decreased since the Contract Date the

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Employer may either re-negotiate this contract or alternatively, terminate the *Contractor's* obligation to Provide the Service.

- Z3.4 Failure by the *Contractor* to notify the *Employer* of a change in its B-BBEE status may constitute a reason for termination. If the *Employer* terminates in terms of this clause, the procedures on termination are P1, P2 and P4 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

Z4 Confidentiality

- Z4.1 The *Contractor* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the time of disclosure (evidenced by written records in existence at that time). Should the *Contractor* disclose information to Others in terms of clause 25.1, the *Contractor* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Service Manager*.
- Z4.3 In the event that the *Contractor* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Contractor*, to the extent permitted by law prior to disclosure, notifies the *Employer* so that an appropriate protection order and/or any other action can be taken, if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Contractor* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
- Z4.4 The taking of images (whether photographs, video footage or otherwise) of the Affected Property or any portion thereof, in the course of Providing the Service and after the end of the *service period*, requires the prior written consent of the *Service Manager*. All rights in and to all such images vests exclusively in the *Employer*.
- Z4.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

Z5 Waiver and estoppel: Add to core clause 12.3:

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

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

- Z6.1 The *Contractor* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the *service*. Without limitation the *Contractor*:
- accepts that the *Employer* may appoint him as the "Principal Contractor" (as defined and provided for under the Construction Regulations 2014 (promulgated under the Occupational Health & Safety Act 85 of 1993) ("the Construction Regulations") for the Affected Property.
 - warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with the Construction Regulations, all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of the *service*; and
 - undertakes, in and about the execution of the *service*, to comply with the Construction

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Regulations and with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Contractor's* direction and control, likewise observe and comply with the foregoing.

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

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

- Z7.1 Within one week of receiving a payment certificate from the *Service Manager* in terms of core clause 51.1, the *Contractor* provides the *Employer* with a tax invoice in accordance with the *Employer's* procedures stated in the Service Information, showing the amount due for payment equal to that stated in the payment certificate.
- Z7.2 If the *Contractor* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Employer* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Employer* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z7.3 The *Contractor* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Employer's* VAT number 4740101508 on each invoice he submits for payment.

Z8 Notifying compensation events

- Z8.1 Delete the last paragraph of core clause 61.3 and replace with:

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

Z9 Employer's limitation of liability

- Z9.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z9.2 The *Contractor's* entitlement under the indemnity in 82.1 is provided for in 60.1(12) and the *Employer's* liability under the indemnity is limited to compensation as provided for in core clause 63 and X19.11 if Option X19 Task Order applies to this contract.

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 Ethics

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

Affected Party means, as the context requires, any party, irrespective of whether it is the *Contractor* or a third party, such party's employees, agents, or Subcontractors or Subcontractor's

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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 core clause 83 with the following:

Insurance cover 83

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

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

INSURANCE TABLE A

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

Z 12.2 Replace core clause 86 with the following:

Insurance 86
by the
Employer

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86.1 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 li 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 44 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 44 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:

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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, normalised 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 affected 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

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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.

• C1.2 Contract Data

Part two - Data provided by the *Contractor*

Notes to a tendering contractor:

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

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

Clause	Statement	Data
10.1	The <i>Contractor</i> is (Name): Address Tel No. Fax No.	
11.2(8)	The <i>direct fee percentage</i> is The <i>subcontracted fee percentage</i> is	% %
11.2(14)	The following matters will be included in the Risk Register	
11.2(15)	The Service Information for the <i>Contractor's</i> plan is in:	

³ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 5391902 or www.ecs.co.za

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21.1	The plan identified in the Contract Data is contained in:
------	---

24.1	The key people are:
------	---------------------

- | | |
|---|-------------------|
| 1 | Name: |
| | Job: |
| | Responsibilities: |
| | Qualifications: |
| | Experience: |
| 2 | Name: |
| | Job |
| | Responsibilities: |
| | Qualifications: |
| | Experience: |

CV's (and further key person's data including CVs) are in.

A	Priced contract with price list
11.2(12)	The <i>price list</i> is in
11.2(19)	The tendered total of the Prices is R

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PART 2: PRICING DATA

TSC3 Option A

Document reference	Title	No of pages
C2.1	Pricing assumptions: Option A	2
C2.2	The <i>price list</i>	8

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C2.1 Pricing assumptions: Option A

The *conditions of contract*

How work is priced and assessed for payment

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

Identified and defined terms	11	
	11.2	(12) The Price List is the <i>price list</i> unless later changed in accordance with this contract.
		(17) The Price for Services Provided to Date is the total of the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed and where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the <i>Contractor</i> has completed by the rate.
		(19) The Prices are the amounts stated in the Price column of the Price List. Where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.

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

Function of the Price List

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

Link to the *Contractor's* plan

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

Preparing the *price list*

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

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

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

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

4 Hence the Prices and rates tendered by the *Contractor* in the *price list* are inclusive of everything necessary and incidental to Providing the Service in accordance with the Service Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk.

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

Format of the *price list*

(From page 73 of the TSC3 Guidance Notes)

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

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

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

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

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C2.2 the *price list*

ITEM NO	DESCRIPTION	UNIT	QTY	RATE		AMOUNT	
A	ITEM 1						
1	PRELIMINARIES AND GENERAL						
1.1	Site Establishment (Delivery of Containers)	Once Off	1				
1.2	Safety File	Once Off	1				
1.3	Personal Protective Equipment (PPE)	Bi-Annually	250				
1.4	Police Clearance Certification	Yearly	125				
1.5	Medical Entry	Yearly	125				
1.6	Medical Exit	Once Off	25				
1.7	Steel Storage Container : Size 12m x 3m	Once Off	1				
1.8	Office Container : Size 6m x 3m	Once Off	1				
1.9	Kitchen Container : Size 6m x 3m	Once Off	1				
1.10	Transport (14 Seater Bus) (2 Off)	Monthly	120				
1.11	Training for Confined Spaces	Once Off	23				
1.12	Training for Working at Heights	Once Off	23				
1.13	Site Bakkie (4x4 Double Cab Bakkie) (1 Off)	Monthly	60				
	Sub-total Item 1 (Preliminaries & General) carried to Final Summary					R	-
	ITEM 2						
2	C&I RESOURCES						
2.1	NORMAL TIME						
2.1.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Hourly	5100				
2.1.2	C&I Site Supervisor (1 Off)	Hourly	5100				
2.1.3	Safety Officer (1 Off)	Hourly	5100				
2.1.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Hourly	20400				
2.1.5	Semi-Skilled Worker (16 Off)	Hourly	81600				
2.1.6	Cleaner (1 Off)	Hourly	5100				
2.1.7	Site Clerk (1 Off)	Hourly	5100				
	Sub-total Item 2.1 (Normal Time)					R	-
2.2	NORMAL OVERTIME (WEEKDAYS)						
2.2.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Hourly	3600	R	-	R	-
2.2.2	C&I Site Supervisor (1 Off)	Hourly	3600	R	-	R	-
2.2.3	Safety Officer (1 Off)	Hourly	3600	R	-	R	-
2.2.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Hourly	14400	R	-	R	-
2.2.5	Semi-Skilled Worker (16 Off)	Hourly	57600	R	-	R	-
	Sub-total Item 2.2 (Normal Overtime - Weekdays)					R	-
2.3	OVERTIME (SATURDAYS)				1.50		
2.3.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Hourly	1800	R	-	R	-
2.3.2	C&I Site Supervisor (1 Off)	Hourly	1800	R	-	R	-
2.3.3	Safety Officer (1 Off)	Hourly	1800	R	-	R	-
2.3.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Hourly	7200	R	-	R	-
2.3.5	Semi-Skilled Worker (16 Off)	Hourly	28800	R	-	R	-
	Sub-total Item 2.3 (Overtime - Saturdays)					R	-
2.4	OVERTIME (SUNDAYS AND PUBLIC HOLIDAYS)				2.00		
2.4.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Hourly	1800	R	-	R	-
2.4.2	C&I Site Supervisor (1 Off)	Hourly	1800	R	-	R	-
2.4.3	Safety Officer (1 Off)	Hourly	1800	R	-	R	-
2.4.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Hourly	7200	R	-	R	-
2.4.5	Semi-Skilled Worker (16 Off)	Hourly	28800	R	-	R	-
	Sub-total Item 2.4 (Overtime - Sundays and Public Holidays)					R	-
2.5	STANDBY ALLOWANCE (1x Standby per Month)						
2.5.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Per Day	210				
2.5.2	C&I Site Supervisor (1 Off)	Per Day	210				
2.5.3	Safety Officer (1 Off)	Per Day	210				
2.5.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Per Day	1680				
2.5.5	Semi-Skilled Worker (16 Off)	Per Day	6720				
	Sub-total Item 2.5 (Standby Allowance)					R	-
	Total Item 2 (C&I Resources) carried to Final Summary					R	-

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3	ITEM 3 C&I CABLES				
3.1	Herltermantytton Cable Tie Markers	No	100		
3.2	100mm cable ties (100 per packet)	Per Packet	200		
3.3	150mm cable ties (100 per packet)	Per Packet	200		
3.4	200mm cable ties(100 per packet)	Per Packet	200		
3.5	250mm cable ties (100 per packet)	Per Packet	200		
3.6	300mm cable ties (100 per packet)	Per Packet	200		
3.7	0.5mm white Bootlace ferrules (100 per packet)	Per Packet	100		
3.8	0.75mm blue Bootlace ferrules (100 per packet)	Per Packet	100		

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	Sub-total Item 2.3 (Overtime - Saturdays)					
2.4	SUNDAYS & P/H OVER TIME					
	<u>Overtime: Sundays and Public Holidays working hours are working hours that fall within the following periods:</u>					
	<u>Sundays: 00:00 - 23:59</u>					
	<u>Public Holidays: 00:00 - 23:59</u>					
2.4.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Hourly	1800	1		
2.4.2	C&I Site Supervisor (1 Off)	Hourly	1800	1		
2.4.3	Safety Officer (1 Off)	Hourly	1800	1		
2.4.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Hourly	1800	4		
2.4.5	Semi-Skilled Worker (16 Off)	Hourly	1800	16		
	Subtotal Item 2.3 Sundays & P/H Overtime					
2.5	STANDBY ALLOWANCE (1x Standby per Month)					
2.5.1	Specialist with Fibre Optic Cable Splicing Competency (CFOT) (1 Off)	Per Day	210	1		
2.5.2	C&I Site Supervisor (1 Off)	Per Day	210	1		
2.5.3	Safety Officer (1 Off)	Per Day	210	1		
2.5.4	C&I Cable Mechanician / Skilled personnel (4 Off)	Per Day	420	4		
2.5.5	Semi-Skilled Worker (16 Off)	Per Day	420	16		
	Sub-total Item 2.5 (Standby Allowance)					
	Sub-total Item 2 C&I Maintenance Service (Site Resources) carried to Summary					
	ITEM 3					
3	C&I CABLES					
3.1	Herllermantyton Cable Tie Markers	No	1	100		
3.2	100mm cable ties (100 per packet)	Per Packet	1	200		
3.3	150mm cable ties (100 per packet)	Per Packet	1	200		
3.4	200mm cable ties (100 per packet)	Per Packet	1	200		
3.5	250mm cable ties (100 per packet)	Per Packet	1	200		
3.6	300mm cable ties (100 per packet)	Per Packet	1	200		
3.7	0.5mm white Bootlace ferrules (100 per packet)	Per Packet	1	100		
3.8	0.75mm blue Bootlace ferrules (100 per packet)	Per Packet	1	100		
3.9	1mm red Bootlace ferrules (100 per packet)	Per Packet	1	100		
3.10	Terminal blocks / strips DIN Rail mount (6-way 6x9) 16mm OEM weidmuller	No	1	100		
3.11	Terminal blocks / strips DIN Rail mount (12-way 6x9) 16mm OEM weidmuller	No	1	100		
3.12	Terminal blocks / strips DIN Rail mount (12-way 8x12) 25mm OEM weidmuller	No	1	100		
3.13	Flexible conduit with connectors and glands / spring tubes (20mm)	No	1	100		
3.14	Flexible conduit with connectors and glands / spring tubes (25mm)	No	1	100		
3.15	Steel conduit pipes 20mm, with mounting brackets-4m	No	1	100		
3.16	Steel conduit pipes 25mm, with mounting brackets-4m	No	1	100		
3.17	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.18	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.19	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.20	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.21	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.22	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.23	Black shrinks sleeving 4.8/2.4mm (100 metre)	Per Metre	1	100		
3.24	Cable trays with mounting brackets 3m (width-50mm)	No	1	150		
3.25	Cable trays with mounting brackets 3m (width-100mm)	No	1	150		
3.26	Cable trays with mounting brackets 3m (width-200mm)	No	1	150		
3.27	Cable trays with mounting brackets 3m (width-300mm)	No	1	150		
3.28	Cable trucking with covers and mounting brackets / wire ducts	No	1	150		

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	(50mm)					
3.29	Cable trucking with covers and mounting brackets / wire ducts (100mm)	No	1	150		
3.30	Cable trucking with covers and mounting brackets / wire ducts (150mm)	No	1	150		
3.31	Cable trucking with covers and mounting brackets / wire ducts (200mm)	No	1	150		
3.32	Wire mesh cable trays with mounting brackets 50mm	No	1	150		
3.33	Wire mesh cable trays with mounting brackets 100mm	No	1	150		
3.34	Wire mesh cable trays with mounting brackets 150mm	No	1	150		
3.35	Wire mesh cable trays with mounting brackets 200mm	No	1	150		
3.36	30m Fishtape steel	No	1	100		
3.37	H07 RN-F Multicore flexible rubber	No	1	5000		
3.38	Spring tubes heat resistance	No	1	5000		
3.39	Cable glands	No	1	1000		
3.40	Ethernet cable	No	1	1000		
3.41	Multi-core cable UVG08 ACM with blue stripe-16 cores	No	1	5000		
3.42	Multi-core cable UVG08 ACM with blue stripe-8 cores	No	1	5000		
3.43	Multi-core cable UVG08 ACM with blue stripe-4 cores	No	1	5000		
3.44	Multi-core cable Special Cable UVG08 ACM with blue stripe	No	1	5000		
3.45	Fibre patch with plug	No	1	500		
3.46	Modbus/profibus plugs	No	1	500		
3.47	20mm PVC coated flexible conduit	No	1	1000		
3.48	25mm PVC coated flexible conduit	No	1	1000		
3.49	20mm liquid tight connector M25 thread	No	1	100		
3.50	25mm liquid tight connector M25 thread	No	1	100		
3.51	24 core single mode fiber optic cable 200m	No	1	50		
3.52	24 core Multi mode fiber optic cable 200m	No	1	50		
3.53	12F-50/125-CST-DC (12 Fibre Multi Mode) 1398.56m	No	1	25		
3.54	24F-SM-CST-DC (24 Fibre Single Mode) 303.55m	No	1	30		
3.55	24F-SM-CST-DC (24 Fibre Multi Mode) 355.51m	No	1	30		
3.56	Optic Patch Cable 138.83m	No	1	30		
3.57	12F-50/125-CST-DC (12 Fibre Multi Mode) 473m	No	1	15		
3.58	Compensating wire = 1000m	No	1	1000		
	Sub-total Item 3 (C&I Cables) carried to Final Summary					
	SUMMARY					
ITEM 1	PRELIMINARIES & GENERAL					
ITEM 2	C&I RESOURCES					
ITEM 3	C&I CABLES					
	Final Summary Total					

OUTAGE RESOURCES

ITEM NO	DESCRIPTION	UNIT	NO. OFF	QTY	RATE	AMOUNT
B	ITEM 1					
1	OUTAGE RESOURCES					
1.1	NORMAL TIME					
1.1.1	C&I Cable Mechanician / Skilled personnel	Hourly	6008	2		
1.1.2	Cable Pullers/Semi Skilled	Hourly	6008	10		
1.1.3	Safety Officer	Hourly	6008	1		
1.2	OVERTIME (SATURDAYS)					
1.2.1	C&I Cable Mechanician / Skilled personnel	Hourly	1043	2		
1.2.2	Cable Pullers/Semi Skilled	Hourly	1043	10		
1.2.3	Safety Officer	Hourly	1043	1		
1.3	OVERTIME (SUNDAYS AND PUBLIC HOLIDAYS)					
1.3.1	C&I Cable Mechanician / Skilled personnel	Hourly	1512	2		
1.3.2	Cable Pullers/Semi Skilled	Hourly	1512	10		

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

1.3.3	Safety Officer	Hourly	1512	1		
	Total Amount (Excl. VAT)					R
	Combined Total Amount (Excl Vat)					R

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

PART 3: SCOPE OF WORK

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THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

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INVITATION TO TENDER NO.

1. Description of the service

The entire function and services required by Kusile Power Station Gx-C&I Maintenance include online/live maintenance and opportunity maintenance including weekends and afterhours on "**as and when required**".

The amount of all required and/or no more required C&I personnel shall be communicated timeously as and when amendments/changes required takes place.

The *Contractor* shall report to site to perform works in the commercial operating units and associated BOP plant including Outage scope of work on "**as and when required**". They shall attend to all CMs / defects as per C&I Maintenance requirements and continuously adhere to C&I Maintenance working patterns. *Contractor* shall be expected to partake in a standby team roster and be ever ready to do overtime work.

1.1 Works Information

The services of this SOW are C&I cable pulling, installation, commissioning including Fibre Optic splicing and Outage scope on "as and when required" basis for the period of 60 Months at Kusile Power Station in accordance with Eskom C&I Maintenance Standards.

The cables associated with C&I are marshalling single-core cable, field multi-core control cables, fibre optic cables, communication, or network cable. It shall be required that a suitable service provider is familiar with all types of these cables installation and termination suitable for various plant conditions.

The works shall be but not limited to removing old cables and racks, pulling new cable and racks, termination, marking, splicing, crimping.

1.1.1 Installation and Commissioning of C&I Cables

a) The works is the installation and commissioning of C&I cables including fibre optic splicing and Outage scope on at all plants that are related to Kusile Power Station Gx-C&I Maintenance and its boundaries.

b) Install cable racks, new cabling, test and repair, complete earthing and perform termination as and when required.

c) All cable connections at junction boxes, field Instruments and marshalling cabinets shall be made using tension clamp terminals and Cables to be terminated in a crimped bootlace ferrule i.e., preventing numbers from slipping off the cable ends.

d) When cables are replaced or new cables installed in any DCS Cubicle, the damaged entry hole shall be fire sealed with Micon FLAMSAYF 325 Fire Retardant Mastic from cable entry and inside cubicle.

e) Labelling of cables: Cable number tags to identify cable as per requirements and colour coding.

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

f) On completion of the work the relevant equipment shall be properly re-commissioned prior to the clearance of the Permit to Work.

1.1.2 Work Preparation and Work Management

- a) Adhere to work management system SAP PM.
- b) Adhere to Eskom plant safety regulations (PSR).
- c) Risk assessment shall be done and documented/filed for each task.
- d) Job observation shall be done on agreed frequencies.
- e) All documentation required to complete work shall be referenced and filed for future reference (Test results, reports, drawings etc.) All documentation to be completed and filed (test sheets, test results, technical reports, drawings etc.)
- f) Ensure compliance to PSR before any work commence.
- g) Attend various departmental meetings. (Safety, Maintenance, Commissioning etc.)
- h) The Contractor must identify all potential hazardous tasks in the Works Information and prepare safe working procedures to issue to his staff before any work shall start.
- i) The Contractor must provide proof that toolbox talks have been held.
- j) Perform toolbox talks, discuss, and fill risk assessment, ensure you're in possession of the correct drawings, correct check sheet, correct work procedure, correct QCP's and you're at the correct plant.

1.2 Contractor Provisions

- a) The Contractor shall provide necessary spares and tools as and when required
- b) The Contractor shall provide manual mobile lifting equipment where necessary
- c) The Contractor shall provide stepladders and all relevant cabling tools
- d) The Contractor shall continuously provide all relevant PPE (Arc flash, Safety Harness, etc)
- e) The Contractor shall provide as and when required a fire-retardant whole sealant in cubicles
- f) The Contractor shall provide calibrated measuring and test equipment
- g) All contractor equipment for the scope of work shall remain ESKOM property at the end of contract

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

1.3 Management and Reporting

- a) The Contractor shall be responsible or held liable for any defects arising from maintenance/operational faults within twenty-four hours (24 hrs) after an intervention, provided that the equipment has been placed into service.
- b) The type of reports, level of detail and frequency of reporting shall be mutually agreed by the Employer and the Contractor. These may change from time to time on request by the Employer.
- c) The Contractor to be represented at any ad-hoc meetings that may arise to address any production or safety related matters.
- d) Liaison meetings shall be held between the Employer's representative or his/her delegate and the Contractor's representative or his/her delegate monthly or when necessary to discuss any technical details, or concerns.
- e) All old cables removed belong to Eskom and shall not be removed off-site by the Contractor.

1.4 Quality and Documentation Control

- a) The Contractor shall ensure that all measuring and test equipment provided is calibrated at all times & proof thereof must be readily available.
- b) The Contractor shall adhere to all 'Quality References' and 'Standards' applicable to this SOW.
- c) The Contractor shall utilise the Employer's quality documentation management system and processes.
- d) The Contractor shall comply with QM58, 240-105658000 Supplier Quality Management: Specification Rev 2.
 - Refer to o Appendix A for Category 2, 240 – 12248652 Supplier Quality Management List of Tender Returnable Documents Rev 2Acceptance
 - QCP document standard. KUS-20230331- Kusile Power Station Quality Control- Work Instruction

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

1.5 Employer's requirements for the service

1.5.1 Minimum Requirements

a) Contractor shall provide the required number of qualified and experienced C&I Supervisor, Technician and/ Mechanicians to perform plant maintenance.

Technical Onsite Manpower resources minimum requirements:

- **Technical Supervisor** - should hold a national diploma / technical diploma with trade test with a minimum of 5 -7 years of experience doing field work in process instrumentation.
- **C&I Mechanicians** – should hold N4 with trade test certificate with a minimum of 3 years' experience in a power plant or related field Instrumentation.
- **Safety officer** - should hold a diploma in safety, must have a minimum of 2 years safety related experience in any industrial site.
- Semiskilled – 1 or more years of Power Station experience

b) It is the responsibility of the service provider to ensure that all employees meet the minimum requirements. CVs, certified copies of qualifications, ID and appointment letters for all employed personnel should be given to the service manager on the day of kick off meeting, prior to the contract commencement.

c) All Contractor employees shall comply with Eskom's policies and site regulations, adherence to Eskom's Life Saving Rules, adherence to Generation Occurrence Management Procedure, Smoking Policy, zero tolerance on alcohol usage.

d) These requirements will be detailed during the induction training process. This document will be used in conjunction with the Kusile Maintenance URS.

e) Contractor employees shall provide essential maintenance in accordance with relevant procedures and specifications.

f) Ensure integrity of the plant is maintained within the parameters specified by Employer.

g) Ensure that all the C&I systems of Kusile Power Stations comply with the statutory and environmental requirements.

h) Participate in plant investigation processes as initiated and/or requested by the Employer.

i) Ensure the application of appropriate maintenance tools and innovative techniques and subsequently providing consistent and cost-effective maintenance strategy.

j) These requirements shall be detailed during the induction training process.

k) *Contractor* employees shall provide essential maintenance in accordance with relevant procedures and specifications.

l) The *Contractor* shall provide technical support and advice on constant failure trends of the equipment.

n) Ensure adherence to Key Performance Indicators (KPI), objectives and targets which support Employer's achievements.

m) All *Contractor* employees shall attend and be found competent in various trainings offered by *Employer* in support of the SOW.

o) *Contractor* must provide reliable tools for his/her employees as per their employment grading.

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

p) *Contractor* must provide a minimum 179 True RMS Fluke multi-meter for every Mechanician and Technician

1.6 Roles and responsibilities

All parties concerned in this SOW "shall act as stated in this contract and in a spirit of mutual trust and cooperation" unique identifier

1.6.1 Employer

- a) The Employer shall provide induction and ensure adherence and compliance at commencement stage of the contract to the entire SHEQR requirements.
- b) Ensure compliance with contract conditions; enforce OHS act regulations and quality requirements. 0117959500
- c) Review, verify and approve receipt of service/deliverables from the contractor.
- d) The Employer shall provide a complete conducive working environment for the contractor during the period of work.
- e) Determine how many Contractor employees are required at any specified period
- f) Provide contract managing Supervisors for all Contractor employees
- g) Supervisor shall manage the plant section allocation of Contractor employees.
- h) Supervisor shall issue and manage task orders as and when required.
- i) Supervisor shall manage the issuing of plant spares requirements as per operational needs.
- j) The Employer coordinates and manages contract budget and expense.
- k) Holds contractual meetings with the Contractor on mutual intervals
- l) Manage contract conditions records, resolve deviations, and monitor Contractor's performance.
- m) Oversee the planned and scheduled work on daily basis and provide technical advice.
 - Ensure availability of spares to adequately perform work consequently.
 - Provide training required for the consistent provision of plant maintenance.
 - Provide maintenance rights (DCS, SAP, etc) only to the selected *Contractor's* individuals for the implementation of the SOW

1.6.2 Contractor

- a) Contractor shall provide the required, qualified, and experienced Supervisor, Technicians, Mechanician to perform the scope, safety officer to ensure continuous safety standard and working procedure are carried out.
- b) *Contractor* shall provide the required number of qualified and experienced C&I Technicians, Field Technicians, Mechanicians and required Assistants to perform C&I maintenance.

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

- c) All *Contractor* employees shall comply with Eskom's policies and site regulations, adherence to Eskom's Life Saving Rules, adherence to Generation Occurrence Management Procedure, Smoking Policy, zero tolerance on alcohol usage.
- d) These requirements shall be detailed during the induction training process.
- e) *Contractor* employees shall provide essential maintenance in accordance with relevant procedures and specifications.
- f) Ensure reliability of the plant is maintained within the parameters specified by *Employer*.
- g) Ensure that all the C&I systems of Kusile Power Stations comply with the statutory and environmental requirements.
- h) The *Contractor* shall provide technical support and advice on constant failure trends of the equipment.
- i) Participate in plant investigation processes as initiated and/or as requested by the *Employer*.
- j) Ensure the application of appropriate maintenance tools and innovative techniques and subsequently providing consistent and cost-effective maintenance methods.
- k) Ensure adherence to Key Performance Indicators (KPI), objectives and targets which support Employer's achievements.
- l) All *Contractor* employees shall attend and be found competent in various trainings offered by *Employer* in support of the SOW
- m) *Contractor* must provide reliable tools for his/her employees as per their employment grading.
- n) *Contractor* must provide a minimum 179True RMS Fluke multi-meter for every Mechanician and Technician
- o) The *Contractor* must provide a logbook for all equipment that remains the *Contractor's* assets e.g Toolbox, PPE, etc
- p) Ensure logging and marking of all *Contractor* assets used during the contract period.
- q) Contractor is to ensure the personal onsite comply with Kusile Power Station standby call out response time.
- r) Emergency overtime shall be treated as emergency it is the contractor responsibility to ensure proper maintenance is done to prevent unnecessary call outs.

C&I Technical Supervisor

The roles and responsibility of C&I technician are and not limited to the following:

- Propose modifications and determine the impact on process information system performance.
- Advise and guide Technicians and Mechanicians in solving complex technical problems.
- Address day to day technical issues.
- Render technical advice/support to Technicians and mechanicians.
- Execute and evaluate the effectiveness of modifications.

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INVITATION TO TENDER NO.

- Optimise fault finding methods.
- Perform project management.

C&I Mechanician

The roles and responsibility of C&I Mechanician are and not limited to the following:

- C&I cable maintenance
- Installation and commissioning of C&I cables
- Risk assessment
- Compiling of deviation reports and close out

Safety Officer

- Co-ordinate Incident/Accident investigations and conduct investigations into workplace incidents
- Conduct site wide EHS inspections, maintain inspection records, and ensure corrective actions are completed and effective, root cause analysis and hazard identification & risk assessment
- SHEQ inspection, recommendations, implementation, and ensuring monitoring & advice the organization to complying with current legislation(amendments)
- Perform exposure monitoring and ensure no employees are over exposed to any health hazards

Assistance / Semi-skilled

The roles and responsibility of semi skill are and not limited to the following:

- C&I cable maintenance
- Installation and commissioning of C&I cables

1.7 Process for Monitoring

This specification shall be reviewed annually from date of initial authorisation or when necessary to conduct assessment on the following:

Key Performance Indicators

- 1- Floor, not acceptable performance
- 2- Kick, meeting some expectations
- 3- Target, meeting expectations
- 4- Stretch, exceeding expectation
- 5- Ceiling, exceptional performance

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

Service provider shall maintain a quarterly target of 3, failure to which Employer to issue early warning to the service provider for the service provider to mitigate. Subsequent to the early warning being issued and the target is still at level 2 or less the Employer shall send the contract for review and termination process to resume.

Key Performance Indicators will be evaluated on a quarterly basis.

	Non-performance as per SOW	Removal of Old cables and installation of new cables	QCPs	Work completed on time All Loops Tested and PTW cleared	Compliance to Kusile P/S SHE Specification
Floor, Not Acceptable Performance	1				
Kick, Meeting Some Expectations		2			
Target, Meeting Expectations			3		
Stretch, Exceeding Expectation				4	
Ceiling, Exceptional Performance					5

1.8 Related/supporting documents

- Contractor to provide required qualifications (trade test certificates/or national diploma and other related C&I competency)
- A daily attendance registers for all Contractor employees to be signed by all employees and maintained in a file.
- Biometry attendance register shall be kept onsite by contractor.
- All drawings or documents developed during the contract period remain the property of Eskom

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

2 Management strategy and start up.

2.1 The Contractor's plan for the service

- a) The *Contractor's* plan must be in line with Document Unique Identifier KUS-240-154656329 Rev. 2 Kusile Power Station C&I Cables Installation and Commissioning Scope of Work
- b) The Contractor shall submit an organogram one month after the contract start date, to the service manager based on the contractor's plan and their lines of authority/ communication.
- c) The contractor must submit to the service manager a project kick-off plan.
- d) It is the contractor responsibility that its resources familiarise themselves with Eskom Kusile power station, control philosophy and method statements on the systems plants they are working on.

2.2 Management meetings

The *conditions of contract* (e.g., Clause 16.2) and other sections of the Service Information (e.g. safety risk management) may require that a meeting shall be held.

However, the intention of all NEC contracts is that the Parties and their agents use the techniques of partnering to manage the contract by holding meetings designed to pro-actively and jointly manage the administration of the contract with the objective of minimising the adverse effects of risks and surprises for both Parties.

Due to the size and complexity of the *service*, it is probably beneficial for the *Service Manager* to hold a weekly risk register meeting (Clause 16.2). This could be used to discuss safety, compensation events, subcontracting, overall co-ordination and other matters of a general nature.

Separate meetings for specialist activities such as planning, and activities of a technical nature may also be warranted. Meetings of a specialist nature may be convened as specified elsewhere in the Service Information or if not so specified by persons and at times and locations to suit the Parties, the nature and progress of the service. Records of these meetings will be submitted to the *Service Manager*, by the person convening the meeting within 5 days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or registers shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person in the conditions of contract to carry out such actions or instructions

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or registers shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person in the *conditions of contract* to carry out such actions or instructions

Regular meetings of a general nature may be convened and chaired by the *Service Manager* on as when required.

2.3 Contractor's management, supervision, and key people

The *Contractor* must submit an organogram one week after Contract Start Date, to the Service Manager, based on the *Contractor's* plan and their lines of authority / communication.

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

2.4 Provision of bonds and guarantees

- Not applicable

2.5 Documentation control

Eskom Documentation Management Standard 32-644 will apply. The Contractor's plan must be in line with Document Unique Identifier KUS-240-154656329 Rev. 2 Kusile Power Station C&I Cables Installation and Commissioning Scope of Work

2.6 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
Eskom Holdings SOC Ltd
Kusile Power Station
Postnet Suite 283, Private bag x 7297,
Witbank, 1035

and include on each invoice the following information:

- Name and address of the *Contractor* and the *Service Manager*;
- The Contract number and title;
- All electronic invoices must be sent in PDF format only;
- The Task Order number starting 45* series
- *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; CPA calculation sheet and the Invoice for CPA (with the GL Account Number and the CC on the Invoice) to be send to the financial department as per the *Employer's* Invoicing procedure / instruction.
- The *Employer's* Invoicing and payment procedure to be followed:
Local Eskom Invoices: invoiceseskomlocal@eskom.co.za

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.

2.7 Contract change management

Refer to the NEC3 Term services Contract Core Clause 6, in the event any changes to the contract must be managed

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

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- Not applicable

2.9 Insurance provided by the *Employer*

Refer to C1.2 TSC3 Contract Data section 8.

2.10 Training workshops and technology transfer

The contractor shall conduct on the job skills transfer to Eskom employees.

2.11 Design and supply of Equipment

The contractor shall supply OEM instrument servicing manual and procedures.

The contractor shall supply all servicing kit.

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

2.11.2 Equipment

- Employer shall be left in possession of all the maintenance equipment bought during the contract period
- C&I service workstations shall be retained by employer at the end of the contract period.

2.11.3 Information and other things

Employer to retain all service recommendations that occurred during contract period

2.12 Management of work done by Task Order

A Task Order is the instruction to commence work

- No work shall commence until Task order is issued and has been finalised and accepted and signed by both the *Employer* and *Contractor*
- Completion certificate to be issued after task-on-Task Order is completed and Assessment certificate to be completed
- Task orders, Assessments and Completion Certificates will be used for work required
- All work will be issued via SAP Maintenance or as per Task order system.

3 Health and safety, the environment and quality assurance

3.1 Health and safety risk management

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The *Contractor* shall comply with the health and safety requirements contained in Annexure SHE Specification to this Service Information.

- All health and safety procedures and regulations of the *Employer* to be adhered to by the *Contractor*
- A SHEQ file to be handed in at the SHEQ department for approval prior to work commencement and kept up to date for the duration of the contract.

SHEQ POLICY

Eskom SHEQ Policy

The *Employer* has made a commitment to conduct business with respect and care for people, the environment and assets and that no operating condition or urgency of service justifies exposing anyone to negative risks arising from the *Employer's* business.

Compliance with the *Employer's* SHEQ Policy and applicable regulations is the responsibility of every employee and *Contractor*.

Contractor SHEQ Policy

All *Contractors* shall have an OHS policy signed by the CEO of the *Contractor* and prominently displayed where employees normally report for duty.

Signed copy of the OHS policy shall form part of the SHEQ file.

SHE PLAN REQUIREMENTS

- Principal *Contractors* shall develop a suitable and sufficiently documented site specific SHE plan, based on the scope of work and client SHEQ specification.
- The SHE plan must be pre-approved by the client for implementation. The principal *Contractor/Contractor* has a responsibility to send the SHE plan to the client for approval prior to commencement of work.
- The SHE plan must be applied from the commencement of and for the duration the construction work, which must be updated /reviewed as the work progresses/changes.

When a principal *Contractor* intends appointing *contractor*, the principal *Contractor* shall ensure that the *Contractor* provides and demonstrate a suitable, sufficiently documented and coherent site-specific health and safety plan, based on the client's SHEQ specifications and scope of work

3.1.1 Health and Safety Arrangements

The *Contractor* ensures that all his personnel attend a Health and Safety Induction Course prior to contract starting date, and annual re- induction. The Induction Course is presented by the *Employer's* Safety Risk Department at Kusile Power Station. Arrangements are made with Safety Risk Management, by the *Contractor*.

The *Employer's* Safety Risk Manager visits and inspects the *Contractor's* workplace or site yard and the working areas to ensure that tools; machinery and Equipment comply with the minimum safety requirements.

The *Service Manager* may instruct the *Contractor* to stop work, where the *Contractor's* personnel fail to conform to safety standards or contravene health and safety regulations. Such stop-work order is not a compensation event. The *Service Manager* may instruct the *Contractor* to discipline his employees and to

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submit a disciplinary action report to the *Service Manager*. The *Contractor* implements additional health and safety precautions where necessary.

Health and safety

The *Contractor* complies with the Occupational Health and Safety Act 85 of 1993, as well as the procedure as stipulated below of the *Employer*:

- SHEQ Policy 32-727
- Eskom Procurement and Supply Chain Management Procedure 32-1034
- Basic Conditions of Employment Act No 75 of 1997
- *Contractor* Health and Safety Requirements 32-136
- SHE Requirements for the Eskom Commercial Process 32-726
- Contractor Health and Safety Requirements 32-136
- Integrated SHE Organization; Roles and Responsibilities and Statutory Appointments 32 - 296
- Live-saving Rules 240 - 62196227
- Working at Heights 32 - 418
- Eskom Vehicle Safety Specifications 32 – 345
- 240-62946386 Vehicle and Driver Safety Management Procedure
- Kusile SHEQ Specifications specific to the issued scope of work
- 32-520 Risk Assessment procedure
- ISO 45001

The *Contractor* acknowledges that it is fully aware of the requirements of all the above and undertakes to employ only people who have been duly authorised in terms thereof and who have received sufficient safety training to ensure that they can comply therewith.

The *Contractor* undertakes not to do, or not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

The *Contractor* shall appoint a person who will liaise with the *Employer's* Safety Officer responsible for the premises relevant to this contract.

Do safety audits at the *Contractor's* premises, its workplaces and on its employees.

Refuse any employee, sub-Contractor, or agent of the *Contractor* access to its premises if such person has been found to commit any unlawful act or any unsafe working practice or is found to be not authorised or qualifies in terms of the OHSACT.

Issue the *Contractor* with a work stop order or a compliance order should the *Employer* become aware of any unsafe working procedures or conditions or any non-compliance with the Act, Regulations and Procedures by the *Contractor* or any of its employees, sub-Contractors or agents.

The *Contractors* Health and safety file is to be submitted for approval to Kusile's Safety Officer before contract commencement.

All work stoppages called by the *Employer* to be adhered to

3.1.2 First aid and fire fighting

Adequate first aid and firefighting equipment to be provided by the *Employer*
All *Contractor* personnel must have First aid and firefighting training

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3.1.3 Fire Precautions

Any tampering with the *Employer's* fire equipment is strictly forbidden.

All exit doors, fire escape routes, walkways, stairways, stair landings and access to electrical distribution boards is kept free of obstruction and are not used for work or storage at any time. Firefighting equipment must remain accessible at all times.

The *Contractor* takes the necessary action to safeguard the area to prevent injury and the spreading of the fire.

3.1.4 Security, fire protection and safety

The *Contractor* shall be responsible for ensuring the security of the works, and of his plant, equipment and materials. To that end he shall make adequate provision for access control, lighting and watchman to the works where required.

3.1.5 Fire protection

The provision of Eskom's standard NWS 1494 "Fire Prevention and Protection of *Contractor's* premises at New Works sites" shall be applicable.

3.1.6 Safety and incident prevention

The *Contractor* shall implement and maintain an active Site Safety and Accident Prevention Programme in accordance with the Kusile SHEQ Specifications. The overriding regulations will however be the Occupational Health and Safety Act.

Incident Management, Corrective & Prevention Procedure to be adhered to: Occupational Health and Safety Incident Management Procedure 32-95 and Occupational Health and Safety Incident Management Definitions and Classification Parameters 240-131838225

3.1.7 Reporting of accidents

The *Employer* follows an accident prevention policy that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The *Contractor* is expected to fully co-operate to achieve this objective. The *Service Manager* must be informed immediately of any incidents. A written report to be submitted to the *Employer* within 24 Hours of incidents and any damage to property or equipment.

NOTE! This report does not relieve the *Contractor* of his legal obligations to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

3.1.8 Occupational Health and Safety Act 85 of 1993 – SECTION 37

In accordance with Section 37 (2) of the Act, the *Contractor* is appointed by the *Employer* as mandatory to assume Health and Safety duties and responsibilities. The *Contractor* ensures compliance with all requirements of the Act and any instruction or notification that enhances those requirements.

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The *Contractor* acknowledges that he is fully aware of all the requirements of the Occupational Health and Safety Act and undertakes to employ only staff who have been duly authorised in terms thereof and who receive sufficient safety training to ensure that they can comply therewith.

The *Contractor* undertakes not to do, and not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

3.1.9 The *Contractor* appoints a person who liaises with the *Employer's* Safety Officer, responsible for the premises relevant to the Contract. The person appointed shall on request:

- Supply the *Employer's* Safety Officer with copies of minutes of all Health and Safety Committee meetings, whenever required.
- Supply the *Employer's* Safety Officer with copies of all appointments in respect of employees employed on this contract, in terms of the Act and Regulations and shall notify the *Employer's* Safety Officer of any changes thereto.

The *Employer* may, at any stage during the duration of this contract:

- perform safety audits at the *Contractor's* premises, its workplace and its employees.
- refuse any employee, *Subcontractor* or agent of the *Contractor* access to its premises if such person is found to commit any unsafe act or any unsafe working practice or is found not to be duly authorised nor qualified in terms of the Act.
- Issue the *Contractor* with an instruction to stop work should the *Employer* become aware of any unsafe working procedure or condition or any non - compliance with the Act, Regulations and Procedures referred to in the Occupational Health and Safety Act - 85 of 1993 and all Regulations made hereunder as well as all the *Employer's* Safety and Operating Procedures. Any such instruction is not a compensation event. Furthermore, no amendments to the act or the Regulations or reasonable amendment to the *Employer's*
- Safety and Operating Procedures will entitle the *Contractor* to claim any additional costs or time incurred in complying therewith, from the *Employer*.

3.1.10 Safety Regulations of the *Employer*

The *Contractor* conforms to the Plant Safety Regulations of the *Employer*

The *Employer* makes available to the *Contractor*, on request, a copy of the latest revision of the Plant Safety Regulations.

3.2 Environmental constraints and management

The *Contractor* shall comply with the environmental requirements as stipulated in Kusile Power Station Environmental Requirements for Contractors and Suppliers 240-106963417.

All waste from the project must be disposed in a sound environmental manner in accordance with Kusile Power Station Waste Management Work Instruction 240-105776552. Oil spillages must be contained and cleaned as per Kusile Power Station: Spillage Response and clean-up process, 240-110383662. The project must conform to Kusile Power Station: Environmental Legal and other Requirements procedure 240-134597937 and the project must conform to Kusile Power Station ISO14001 Standard with reference to Kusile Power Station's Environmental Management System Manual 240-133974369. All environmental incidents must be dealt with as per the Kusile Power Station's Environmental Reporting Process, 240-43921898, Kusile Power Station Nonconformity and Corrective Action Work instruction 240-13666305 and

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all environmental incidents must be reported to the Environmental Department on site with Telephone Number 013-799 7817 / 013 693 2173.

3.3 Quality assurance requirements

The *Contractor* shall be required to demonstrate by means of a Quality Plan that this organisation is so structured that all the requirements of the specification will be properly monitored and controlled. The Quality Plan and Control procedures are to be carried out in accordance with Supplier Quality Management: Specification 240-105658000. The Quality Control document is to be submitted for approval to Kusile within three (3) days after order placement by the *Contractor*.

No work may commence unless the Quality Control document has been approved in writing and a copy submitted to *the Service Manager*. *The Contractor*, in conjunction with Kusile Engineering must sign off all Quality Control documents after completing all work on site. *The Contractor* to submit a copy of the final signed off document to *the Service Manager* within 1 week after Completion of each activity or Task.

- QCP and contract quality plan standards as per 240-105658000 to be adhere to
- The *Contractor* must provide Quality Control Plan documents for approval by the *Employer's* Supervisor prior performing any activity.

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INVITATION TO TENDER NO.

4 Procurement

4.1 People

4.1.1 Minimum requirements of people employed.

- All staff required to perform the activities within the works information.
- All relevant personnel names and titles must be specified to the *Service Manager*
- All *Contractors* personnel specified in this contract as per 2.3 to always be on site.
- All new staff to be appointed in writing.
- Contract Staff are not allowed to work on any other contract.
- All new staff to do induction training.
- All replacements of staff will be in the same discipline (like an artisan with an artisan with proof of qualifications)
- All new staff to be approved by *the Service Manager* before entering the site or commencing work.
- All new staff must hand in all qualifications and relevant documentation to the *Service Manager*
- When changing personnel, a new access to work form to be completed by the *Contractor*.
- Only required specified approved amount of personnel to be allowed on site, pre-arrange with *Service Manager*

4.1.2 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.

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.

Whereas a result, the contractor's B-BBEE status had decreased since the starting date the employer may either re-negotiate this contract or alternatively, terminate the contractor's obligation to provide the service.

Failure by the Contractor to Notify the Employer of a change in its B_BBEE status may constitute a reason for termination will be dealt with according to the NEC3 TSC penalty/termination clauses.

• PPPFA STRATEGY

Indicate the percentage (%) that is allocated to:

Price	80%
BBBEE Status	20%
Designated commodity (Yes/No)	No

4.2 Supplier Development, Localisation, and Industrialisation Undertaking

- The Supplier shall on a quarterly basis submit a report to Eskom in accordance with Datta Collection Template on their Compliance with the SDL&I obligations described above.
- Eskom shall review the SDL&I reports submitted by the suppliers within 60 (sixty) days of receipt of the reports and notify the suppliers in writing if their SDL&I obligations have not been met.

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- Upon notification by Eskom that the suppliers have not met their SDL&I obligations, the Contractor shall be required to implement corrective measures to met 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 shall be completed by the Contractor and returned to SDL&I representatives for acceptance 28 days after contract award. This will be used as a reference document for monitoring, measuring, and reporting on the Contractor's progress in delivering on their stated SDL&I commitments.
Note: this Information below will be updated as per successful Contractor agreement by the time of contract award.

4.3 Skills Development

The successful service provider shall contribute to skill development program of young individuals within Nkangala district including Bronkhorstspuit

Note: this Information below will be updated as per successful Contractor agreement by the time of contract award

4.4 Corporate Social Investment (CSI)

The successful service provider shall contribute 2% of the contract value to Corporate Social Investment projects in the Nkangala District including Bronkhorstspuit

4.5 Subcontracting

	%Procurement from Designated Group	%Sub-contracting to Designated Group
Black Owned	1% of total contract value (involved)	
Black Women Owned	1% of total contract value (involved)	30% of contract value

4.5.1 Subcontracting

Successful service provider to submit supporting subcontractor documents for acceptance

The contractor shall submit progress and assessment reports of works done by the appointed sub-contractor

4.6 Plant and Materials

4.6.1 Specifications

The contractor has the right to use equipment, plant and material provided by the Employer only to provide the services

4.6.2 Correction of defects

Until the end of the service period, the service manger notifies the contractor of each defect as soon as he/she finds them, and it is the contractor responsibility to correct defect at its own cost.

The contractor shall correct defects whether or not the service manager notifies contractor on it.

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INVITATION TO TENDER NO.

It is the contractor responsibility to do proper inspection before servicing of instruments is carried out, premature failure of serviced instrument shall be at contractor costs

4.6.3 Contractor's procurement of Plant and Materials

The *Employer* may require warranties from supplier to be in favour of the *Employer* and not just the *Contractor*. The *Employer* may also need schedules of vendor data for his own use after the end of the service period. Refer to Document Unique Identifier 240-160998666 Kusile Power Station C&I Maintenance Labour Service

4.6.4 Tests and inspections before delivery

Core Clause 41.1 makes reference to the Service Information stating which Plant and Materials are to be inspected and tested before delivery. Specify any requirements particularly if such tests and inspections are to be carried out by agents of the *Employer* overseas

4.6.5 Plant & Materials provided "free issue" by the Employer

Plant and material provide "free issue" by Employer shall be discussed in the kick-off meeting to be held prior to all service commencement.

5 Working on the Affected Property

5.1 Employer's site entry and security control, permits, and site regulations

- Lifesaving rules to be adhered at all times
- Access is limited and controlled by Plant Safety Regulations requirements.
- No employee will be allowed to access the plant or to work without access permit issued.
- All personnel to work on the plant must be registered on the Worker's Register by the Responsible Person.
- All personnel must attend induction before working on site and must obtain gate permits via the *Service Manager*.
- Each personnel to always have an Identification card
- Unauthorized access to site is prohibited. The personnel are expected to always be at their working site area.
- No recruitment on site or at the main access gates or any Premises of the *Employer* is allowed.
- All activities to comply with the OSHACT and Regulations
- All activities on plant must be preceded by a plant risk assessment – Risk assessment as per the standard of the *Employer*, to be current at all times (Live Document)
- All work to be always done according to the contraction regulations

5.2 People restrictions, hours of work, conduct and records

- Normal working hours is the working hours of the business.
 - Monday to Thursday 07:00-16:15
 - Friday s 07:00-12:00
- Other hours will be determined as per critical path activities during outages / breakdowns
- Overtime on a as and when required basis, but must be approved by the *Service Manager*

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INVITATION TO TENDER NO.

- Daily time sheets must be kept up to date of normal time and overtime worked at all Times. The *Employer's Contractors* time sheets to be used
- Overtime to be worked on an as and when required Basis when needed.
- All overtime worked must comply with the rest period requirements of the *Employer*.
- The contractor shall utilise real time biometric attendance system (only biological characteristics access will be accepted by service manager no cards shall be utilized).

5.3 Health and safety facilities on the Affected Property

- Proto team on each shift
- Medical Station and relevant staff on Site.
- Each workshop has a first aid box available.
- Yearly induction for all personnel.
- In an emergency the contract supervisor and *Service Manager* must notified immediately

5.3.1 First aid centre

The *Employer* provides a first aid service to *Contractor's* employees. In the case where these prove to be inadequate, like in the event of a serious injury, the *Employer's* medical centre and facilities are available.

Outside the *Employer's* office hours, the *Employer's* first aid services are only available for serious injuries and life-threatening situations.

The *Employer* is entitled, however, to recover the costs from the *Contractor* for the use of the above *Employer's* facilities

5.4 Environmental controls, fauna & flora

- Proper care of the natural environment is important to prevent nuisance and environmental degradation.
- All contractors shall comply with the environmental management procedures and Environmental legislation of the *Employer*.
- Environmental incidents shall be reported to the *Employer's* Environmental Department as per incident management requirements.

The *Contractor* is required to ensure that all goods, services or works supplied in terms of the contract conform to all applicable environmental legislation. Where work is done on the Site, the goods, services or works supplied will also conform to the *Employer's* environmental specifications.

5.4.1 Waste Management

- Waste segregation is important to facilitate recycling of waste. Ensure waste is disposed of in the correct colour bin.
- The people of the *Employer* periodically collect waste from the bins for disposal in the correct manner.
- No waste should be burned or buried on site.
- Where the *Employer* and the *contractor* have agreed that the *contractor* is responsible for the disposal of its waste, the *contractor* shall safely dispose of such waste and keep disposal certificates on file.

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INVITATION TO TENDER NO.

Types and colours of bins used on site:

- Yellow bin for domestic waste
- Orange bin for hazardous waste
- Maroon bin for scrap
- Green box for cartridges
- Blue box for recyclable paper

5.4.2 Radiation protection

The *Contractor* conforms to the *Employer's* procedure OMOP 2049 and OMOP 2051 when performing any industrial radiography.

5.4.3 Hazardous Substances

It is required in terms of the General Administrative Regulation (Regulation 7) of the Act that any manufacturer, importer, seller or supplier of hazardous chemical substances shall supply the receiver, free of charge with sufficient information for the user, to enable the user to introduce the necessary measures as regards the protection of the health and safety of persons. It is therefore the responsibility of the supplier (dealing directly with the *Employer*) to supply the information. If information is not available for whatever reason, the supplier must indicate and give reasons to the *Employer*.

5.4.4 Handling of waste produced by the Contractor

All waste introduced to and/or produced on the *Employer's* premises, by the *Contractor*, for this contract, must be handled in accordance with the minimum requirements for the Handling and Disposal of Hazardous Waste in terms of Government Legislation as proclaimed by the Department of Water Affairs and Forestry Act 1994 Ref.:BN0621-16296-5.

The *Contractor* is responsible to appoint a waste coordinator to ensure that all waste produced is handled according to the applicable legislation.

The *Contractor* is required to ensure that all goods, services or work supplied in terms of the contract conform to all applicable environmental legislation. Where work is done on the *Employer's* site, the goods, services or work supplied also conforms to the *Employer's* environmental specifications.

Waste from the cleaning and maintenance of equipment

The *Contractor* is responsible to contain all waste due to cleaning and maintenance of equipment and disposes of as described below.

5.4.5 Stockpiling of waste

Waste is removed promptly to the designated deposit areas. No stockpiling is permitted.

5.4.6 Hazardous waste

Waste declared as hazardous substances in terms of the Hazardous Substances Act no 15 of 1973 is the responsibility of the *Contractor* to ensure safe removal from the property to a registered Class 1 site

Pest Control

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INVITATION TO TENDER NO.

- Only approved herbicides with a low environmental risk shall be used for pest control.
- Only registered pest controllers may apply herbicides on a commercial basis.
- Application of herbicides shall be in accordance with the Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act 36 of 194.

Water Conservation

- Incidents related to water pollution must be reported to the *Employer's* Environmental Department within 24 hours.
- Report/fix leaking taps and pipes to save water.
- Use water sparingly.
- Chemical substances shall not be disposed of in waste water or storm water drains.

Air Pollution

- Dust suppression measures must be in place to reduce airborne dust.
- Noxious and offensive odours arising from work activities shall be adequately controlled.

Ground Pollution

- Measures to prevent or control ground contamination shall be put in place e.g. drip trays, bund walls.
- Spill containment, clean-up and ground rehabilitation shall be done as per Kusile procedures

5.5 Cooperating with and obtaining acceptance of Others

Interface with Others

It is likely that other *Contractors* will be working in the same area. Others might however from time to time require limited access to the same area in order to execute maintenance activities and the *Contractor* is to be accommodating in such instances.

Planning

Programmes are submitted in hard and electronic copy. The software package is MS Projects, Open Plan or equivalent, accepted by the *Service Manager*.

Monthly progress report

A monthly progress report will be submitted to the *Service Manager*

Completion

Completion certificate must be submitted on completion of each task order

Requirements for Completion

Completion is when the *Contractor* has done all the work, which the Works Information states he is to do by the Completion Date and has corrected notified Defects, which would have prevented the *Employer* from using the works.

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INVITATION TO TENDER NO.

The Site is handed back to the *Employer* in a condition acceptable to the *Service Manager*

5.6 Records of *Contractor's* Equipment

- *Contractor's* equipment (Cell phones with Camera's, Computers, Camera's etc.) to be and signed in at security.
- All test equipment must be calibrated and tested regularly, and certificates must be handed in to the *Service Manager* for record keeping
- All equipment and tools need to be marked and a list off all tools with the identification number to be provided to the *Service Manager* when entering site.
- All lost equipment and tools to be declared to the *Service Manager* and full details of incident.

5.7 Equipment provided by the *Employer*

- Equipment provided by the employer shall be discussed with the contractor during the kick-off meeting

5.8 Site services and facilities

5.8.1 Provided by the *Employer*

Facilities provided by Employer shall be discussed in the kick off meeting to be held prior to all services commencement.

5.8.2 Provided by the *Contractor*

Refer to Document Unique Identifier 240-133975854 Kusile Power Station C&I Maintenance Labour Service

The *Contractor* will be responsible for the provision of accommodation and ablutions to his personnel – the *Employer* does not provide accommodation and ablutions facilities.

The contractor shall be responsible for providing service workshop with necessary tools for carrying out the works.

The *Contractor* will provide the following to the employees contracted at the Power Station:

- Local Cell Phones
- Two-way radio for onsite communications.
- Stationary
- Standard Personal Protective Equipment
- Suitable transport (including provision for out-of-normal hours working).
- Suitable accommodation
- Appropriate Computer Hardware and Software where the equipment provided by *Employer* is not sufficient for the *service*

5.9 Control of noise, dust, water, and waste

- All necessary and relevant PPE must be used at all times when entering or working on plant

THE PROVISION OF C&I MAINTENANCE SERVICES FOR CABLE PULLING, INSTALLATION AND COMMISSIONING OF ALL C&I CABLES INCLUDING FIBRE OPTIC SPLICING AND OUTAGE SCOPE OF WORK ON "AS AND WHEN REQUIRED BASIS AT KUSILE POWER STATION FOR PERIOD OF FIVE YEARS (60) MONTHS.

INVITATION TO TENDER NO.

- Risk assessments must be completed before commencing with any task to be always current (Live Document)
- All relevant procedures to be always used.

5.10 Hook ups to existing works

Hooking up on heights is a non-negotiable Lifesaving rule of Eskom. Kusile Power Station applies Zero Tolerance to non-compliance of this rule or any other Lifesaving rule. The same disciplinary process procedure will be followed when any of the Lifesaving rules have been breached.

5.11 Tests and inspections

5.11.1 Description of tests and inspections

This clause only applies to tests and inspections required by the Service information or the applicable law. The contractor and the service manager each notifies the other of each of his tests and inspections before it starts and afterwards notifies the other of its results. The contractor notifies the Service manger in time for a test or inspection to be arranged and done before doing work which would obstruct the test or inspection. The Service Manager may watch any test done by the contractor.

If a test or inspection shows that any work has a defect, the contractor repeats the work if possible and the test or inspection is repeated.

The service Manger does his tests and inspections without causing unnecessary delay to the work. The Service Manger assesses the cost incurred by the Employer in repeating a test or inspection after a defect is found.

Materials facilities and samples for tests and inspections

- The contractor provides materials, facilities and samples for tests and inspections as stated in the Service Information.

5.12 List of drawings

Drawings issued by the *Employer*

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