



NEC3 Term Service Contract (TSC3)

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

and [Insert at award stage]
(Reg No. _____)

for **PROVISION OF REPAIR AND MAINTANANCE OF
LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH
VOLTAGE (HV) OVERHEAD WITHIN GAUTENG
CLUSTER ON AN 'AS AND WHEN REQUIRED'
BASIS FOR A PERIOD OF 4 YEARS**

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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Offer

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

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

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

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

Options A	The offered total of the Prices exclusive of VAT is	Rate-based
	Sub total	Rate-based
	Value Added Tax @ 15% is	Rate-based
	The offered total of the amount due inclusive of VAT is ¹	Rate-based
	(in words) Rate-based	

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*.

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

**for the
Employer**

Name &
signature of
witness

Date

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

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

Note:

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

No.	Subject	Details
1	None	None

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

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

For the tenderer:**For the Employer**

Signature

Name

Capacity

On behalf
of*(Insert name and address of organisation)*Name &
signature
of witness

Date

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
		X12: The Partnering Option
		X17: Low service damages
		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
10.1	The <i>Service Manager</i> is (name):	
	Address	MegaWatt Park, Rivonia, Johannesburg, South Africa
	Tel	
	e-mail	
11.2(2)	The Affected Property is	For All Operations and Maintenance sites-Gauteng Cluster
11.2(13)	The <i>service</i> is	Provision for Repair and Maintenance of Low Voltage(LV),Medium Voltage (MV),High Voltage(HV) Overhead within Gauteng Cluster

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

on an 'As and when required' basis for the period of 4 years

11.2(14)	The following matters will be included in the Risk Register	Project specific Registers will be created
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	7 Working Days
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	1 week from receipt of a task order
3	Time	
30.1	The <i>starting date</i> is.	To be advised
30.1	The <i>service period</i> is	48 Months period
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	After the completion of each Task.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	EMEs/QSEs - Two (2) weeks or LMEs - Four (4) weeks. The above applies upon submission of tax compliant invoice with good receipt having been performed to Eskom Financial Shared Services.
51.4	The <i>interest rate</i> is	the publicly quoted prime rate of interest (calculated on a 365-day year) charged by from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands.
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	None
83.1	The <i>Employer</i> provides these insurances from the Insurance Table	<ul style="list-style-type: none"> • Refer to General ACAR confirmation of Insurance, which will be updated annually.
83.1	The <i>Employer</i> provides these additional insurances	<ul style="list-style-type: none"> • Refer to General ACAR confirmation of Insurance, which will be updated annually.
83.1	The <i>Contractor</i> provides these additional insurances:	Public Liability Cover, COID and Insurance for their own plant, equipment, and personnel.
83.1	The minimum amount of cover for insurance against loss and damage caused by the <i>Contractor</i> to the <i>Employer's</i> property is	the amount of the deductibles relevant to the event described in the Employer's Assets All Risk Insurance Policy subject to an Insurance deductible payable by the Contractor in the amount of <ul style="list-style-type: none"> • Distribution Property – R2 Million • All other properties – R2 Million.
83.1	The insurance against loss of or damage to the <i>works</i> , Plant and Materials is to include cover for Plant and Materials provided by the <i>Employer</i> for an amount of	Refer to "General ACAR Confirmation of Insurance signed 2022-23 FY" which will be updated annually
83.1	The minimum amount of cover for insurance in respect of loss of or damage to property (except the <i>Employer's</i> property, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) arising from or in connection with the <i>Contractor's</i> Providing the Service for any one event is:	Whatever the <i>Contractor</i> deems necessary in addition to that provided by the <i>Employer</i>.
83.1	The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract for any one event is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less than R500 000 (Five hundred thousand Rands)..
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	Four (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).
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	Sandton, South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.
12	Data for secondary Option clauses	
X1	Price adjustment for inflation	
X1.1	The <i>base date</i> for indices is	One month before the tender close date- Applicable for price tendering purpose
	The proportions used to calculate the Price Adjustment Factor are:	The prices will be fixed and firm rates for the first 12 months of the contract. At the anniversary date of the contract Contracts Management team for inflation, using CPA will adjust the prices.
		Rates will then be adjusted as follows:
		Labour rates 40% – SEIFSA Table C-3 for all hourly paid employees
		Transport rates 20% – SEIFSA Table L-2(A) for road freight costs
		Material rates 40% – SEIFSA Table G for PPI on electrical engineering materials

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.
X12	Partnering	
X12.1(1)	<i>The Client is (Name):</i>	[•]
	<i>Address</i>	[•]
	<i>Contact details</i>	[•]
	<i>Telephone</i>	[•]
	<i>Fax</i>	[•]
	<i>Email</i>	[•]
X12.1(4)	<i>The Partnering Information is in</i>	Part 3 Scope of Work, section C3.
X12.2(1)	<i>The Client's objective is:</i>	[•]
X17	Low service damages	
X17.1	The <i>service level table</i> is in	Low services damages shall be capped to a maximum of 15% of the total of the Prices. The tender shall be issued with details of penalties applicable to the services on each Task Order.
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	R0.00 (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	Refer to "General ACAR Confirmation of Insurance signed 2022-23 FY"
X18.3	The <i>Contractor's</i> liability for Defects due to his design of an item of Equipment is limited to	<ul style="list-style-type: none"> the total of the Prices as indicated on each applicable Task Order the amounts excluded and unrecoverable from the <i>Employer's</i> insurance (other than the resulting physical damage to the <i>Employer's</i> property, which is not excluded) plus the applicable deductibles in the <i>Employer's</i> assets and works / maintenance policies.
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	<p>the total of the Prices other than for the additional excluded matters.</p> <p>The <i>Contractor's</i> total liability for the additional excluded matters is not limited.</p> <p>The additional excluded matters are amounts for which the <i>Contractor</i> is liable under this contract for:</p> <ul style="list-style-type: none"> loss of or damage to property (other

		<p>than the <i>Employer's</i> property, Plant and Materials),</p> <ul style="list-style-type: none"> • death of or injury to a person and • infringement of an intellectual property right.
X18.5	The <i>end of liability date</i> is	12 months after the end of the <i>service period</i>.
X19	Task Order	
X19.5	The <i>Contractor</i> submits a Task Order programme to the <i>Service Manager</i> within	2 days of receiving the Task Order
Z	The <i>additional conditions of contract</i> are	Z1 to Z11 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 *Employer* may either re-negotiate this contract or alternatively, terminate the *Contractor's* obligation to Provide the Service.
- Z3.4 Failure by the *Contractor* to notify the *Employer* of a change in its B-BBEE status may constitute a reason for termination. If the *Employer* terminates in terms of this clause, the procedures on termination are P1, P2 and P4 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

Z4 Confidentiality

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

Z5 Waiver and estoppel: Add to core clause 12.3:

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

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

- Z6.1 The *Contractor* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the *service*. Without limitation the *Contractor*:
- accepts that the *Employer* may appoint him as the "Principal Contractor" (as defined and provided for under the Construction Regulations 2014 (promulgated under the Occupational Health & Safety Act 85 of 1993) ("the Construction Regulations") for the Affected Property;
 - warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with the Construction Regulations, all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of the *service*; and
 - undertakes, in and about the execution of the *service*, to comply with the Construction Regulations and with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Contractor's* direction and control, likewise observe and comply with the foregoing.
- Z6.2 The *Contractor*, in and about the execution of the *service*, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the

Contractor's direction and control, likewise observe and comply with the foregoing.

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

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

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 <i>Contractor</i> or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,
Coercive Action	means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,
Collusive Action	means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

- Committing Party** means, as the context requires, the *Contractor*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,
- Corrupt Action** means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,
- Fraudulent Action** means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,
- Obstructive Action** means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action and
- Prohibited Action** means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.
- Z 11.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z 11.2 The *Employer* may terminate the *Contractor's* obligation to Provide the Service 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 Service for this reason.
- Z 11.3 If the *Employer* terminates the *Contractor's* obligation to Provide the Service for this reason, the procedures and amounts due on termination are respectively P1, P2, P3 and P4, and A1 and A3.
- Z 11.4 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.

Annexure A: Insurance provided by the Employer

These notes are provided as guidance to tendering contractors and the Contractor about the insurance provided by the Employer. The Contractor must obtain its own advice. Details of the insurance itself are available from the internet web link given below.

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

C1.2 Contract Data

Part two - Data provided by the Contractor

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	N/A
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:	Part 3: Scope of Work and all documents and drawings to which it makes reference
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	Refer to price schedule
11.2(19)	The tendered total of the Prices is	Rate-based Contract/as per Task Order

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>	1

C2.1 Pricing assumptions: Option A

How work is priced and assessed for payment

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

Identified and defined terms 11
11.2

(12) The Price List is the *price list* 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 *Contractor* has completed and
- where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the *Contractor* 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*

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

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

- Has taken account of the guidance given in the TSC3 Guidance Notes relevant to Option A;
- Understands the function of the Price List and how work is priced and paid for;
- Is aware of the need to link operations shown in his plan to items shown in the Price List;

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- Has listed and priced items in the *price list* which are inclusive of everything necessary and incidental to Providing the Service in accordance with the Service Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk;
- Has priced work he decides not to show as a separate item within the Prices or rates of other listed items in order to fulfil the obligation to complete the *service* for the tendered total of the Prices.
- Understands there is no adjustment to items priced as lump sums if the amount, or quantity, of work within that item later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the (lump sum) Prices is as a result of a compensation event.

Format of the *price list*

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

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

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

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

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

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C2.2 the *price list*

		MV-HV Network		Proposed Rates
Activities				
ITEM No.	DRW No.	DESCRIPTION	UMC	
1 . Prelims and General				
1.1		N.B. "Notification of Non-Conformance" forms an Intergral part of Test Sheets 1, 2 and 3		
1,2		PPE and site safety including job specific risk assessment.(1% of labour cost, excluding material, transport and VAT)	per task order	3%
1,3		Environmental Compliance & Site maintenance	per task order	4%
Work Preparation				
2,1		Setting out pole and stay positions as indicated on rough detail sketches by tape measure and sighting rods where survey was not done by Eskom per design requirments	Per structure	R22,83
2,2		To indicate on as built drawing	Per Transf. Area	R5 481,08
Foundations				
2,3		Excavation, backfilling and compacting of a hole, 1,5 meter (9 meter pole and stays) in soil type.		
a		Class 1 soft soil per hole (using spade)	Ea	R361,17
b		Class 2 pickable soil per hole (including rock and boulders)	Ea	R454,36
c		Class 3 clay soil per hole	Ea	R419,03
d		Class 4 marshy soil per hole (submerged) silt	Ea	R484,35
e		Rock hole	Ea	R1 261,83
2,4		Excavation, backfilling and compacting of a hole 1,8 meters (11 meter pole) in soil type.		
a		Class 1 soft soil per hole (using spade)	Ea	R398,84

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b		Class 2 pickable soil per hole (including rock and boulders)	Ea	R497,52
c		Class 3 clay soil per hole	Ea	R459,88
d		Class 4 marshy soil per hole (submerged) silt	Ea	R523,50
e		Rock hole	Ea	R1 313,39
2,5		Excavation, backfilling and compacting of a hole 2,0 meters (12 meter pole) in soil type.		R0,00
a		Class 1 soft soil per hole (using spade)	Ea	R440,79
b		Class 2 pickable soil per hole (including rock and boulders)	Ea	R547,97
c		Class 3 clay soil per hole	Ea	R505,16
d		Class 4 marshy soil per hole (submerged) silt	Ea	R573,99
e		Rock hole	Ea	R1 331,57
2,6		Excavation, backfilling and compacting of a hole 2,2 meter (13 meter pole) in soil type.		R0,00
a		Class 1 soft soil per hole (using spade)	Ea	R445,40
b		Class 2 pickable soil per hole (including rock and boulders)	Ea	R514,71
c		Class 3 clay soil per hole	Ea	R465,28
d		Class 4 marshy soil per hole (submerged) silt	Ea	R573,28
e		Rock hole	Ea	R1 351,83
2,7		Excavation, backfilling and compacting of a hole 1,8 meters (MV stay hole) in soil type		R0,00
a		Class 1 soft soil per hole (using spade)	Ea	R370,89
b		Class 2 pickable soil per hole (including rock and boulders)	Ea	R455,25
c		Class 3 clay soil per hole	Ea	R478,64
d		Class 4 marshy soil per hole (submerged) silt	Ea	R554,62
e		Rock hole	Ea	R1 329,96

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2,8		MV & LV Earthing trenching including excavation, backfilling and compaction		R0,00
a		Class 1 per trench (500 mm deep)	per metre	R79,50
b		Class 2 per trench (500 mm deep)	per metre	R87,73
c		Class 3 per trench (500 mm deep)	per metre	R93,90
d		Class 4 per trench (500 mm deep)	per metre	R106,25
e		Rock hole	Ea	R338,01
2,9		MV & LV Earthing trenching including excavation, backfilling and compaction - for SWER earth electrodes		R0,00
a		Class 1 per trench (1 metre deep)	per metre	R88,76
b		Class 2 per trench (1 metre deep)	per metre	R111,43
c		Class 3 per trench (1 metre deep)	per metre	R123,82
d		Class 4 per trench (1 metre deep)	per metre	R142,40
e		Rock hole	Ea	R405,23
2,10		Blasting (Irrespective of depth of hole, each hole to be verified by Eskom's Clerk of Works as per Supplier's invoice) 7% mark-up	No	Cost Plus 7% markup
2,11		Excavation and backfilling of blasted hole	Ea	R1 644,32
2,12		Importation of soil (Class 1) - To be verified by supervisor (subject to supplier's invoice)	per cubic metre	R352,20
2,13		Measure Earth Electrode Resistance MV (Documentation required)	Ea	R277,69
2,14		Planting of 9 to 18m poles	per structure	R1 045,08
2,15		Compressor hire as per the Supplier's invoice with hour metre utilization		Invoice
2,16		Rock Option 1 - Labour rate to operate the compressor and pneumatic tools including vehicle mounted.(Supplier' invoice required + 5% handling fee)	per hour	Invoice
2,17		Where compressor hire is involved three rates are combined to determine the total amount due to the contractor. These three rates include the compressor hire rate on proven actual cost (See item 2.21.A), plus the labour rate to operate the compressor (See 2.21.B), plus the rate for the	Note	

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		excavation of the hole (as per the size of the rock hole).		
2,18		Earth Auger , truck mounted	per hole	R1 337,38
2,19		Rock hole , rock drill	per hole	R1 918,38
		Rock drill equipment suppliers invoice to transport to and fro site, establish and de-establish		
3. ASSEMBLE AND ERECTION OF STRUCTURES FORM MV 3 PHASE,PHASE/PHASE AND SWER CONDUCTOR				
The rate excludes the cost of Excavation and Stays but all other costs are included.				
		A. Phase/Phase Structures-General arrangements (index) : (*)do not have Road Crossing Applications		
3.A.1	D-DT-1300	Phase / phase – Staggered verticle (450mm spacing) – Intermediate – 0 degree deviation	Ea	R503,41
3.A.2	D-DT-1301	Phase / phase – Vertical (450mm spacing) – Intermediate – Small (1 – 10 degree) deviation	Ea	R524,93
3.A.3	D-DT-1302	Phase / phase – Vertical (450mm spacing) – Intermediate – Medium (10 – 30 degree) deviation	Ea	R528,65
3.A.4	D-DT-1303	Phase / phase - Vertical (450mm spacing) – strain – 0 degree deviation	Ea	R757,03
3.A.5	D-DT-1304	Phase / phase – Vertical (450mm spacing) – strain – small (1 – 30 degree) deviation	Ea	R770,91
3.A.6	D-DT-1305	Phase /phase – Vertical (450mm spacing) – strain – large (30 – 90 degree) deviation	Ea	R752,97
3.A.7	D-DT-1306	Phase / phase – Vertical (450mm spacing) – strain – terminal	Ea	R717,62
3.A.8	D-DT-1310	Phase / phase – Staggered Vertical (600mm spacing) – Intermediate – 0° Deviation	Ea	R580,52
3.A.9	D-DT-1311	Phase / phase – Vertical (600mm spacing) – Intermediate – Small(1°-±10°) Deviation	Ea	R517,84
3.A.10	D-DT-1312	Phase / phase – Vertical (600mm spacing) – Intermediate – Medium (10 – 0 degree) deviation	Ea	R528,65
3.A.11	D-DT-1313	Phase / phase – Vertical (600mm spacing) – Strain - 0° Deviation	Ea	R732,34
3.A.12	D-DT-1314	Phase / phase – Vertical (600mm spacing) - Strain - Small(1°-30°) Deviation	Ea	R786,34

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3.A.13	D-DT-1315	Phase / phase – Vertical (600mm spacing) – Strain - Large(30°-90°) Deviation	Ea	R759,14
3.A.14	D-DT-1316	Phase / phase – Vertical (600mm spacing) – Strain - Terminal	Ea	R732,43
3.A.15	D-DT-1320	Phase / phase – Delta (450mm stud) – Intermediate – 0 degree deviation	Ea	R568,43
3.A.16	D-DT-1330	Phase / phase – Delta (600mm stud) – Intermediate - 0° Deviation	Ea	R568,43
3.A.17	D-DDT-1333	Phase / phase – Delta / 1.3m Steel X-arm - Strain - 0° Deviation	Ea	R667,44
3.A.18	D-DDT-1334	Phase / phase – Delta / 1.3m Steel X-arm - Strain - Medium(1-60° Deviation)	Ea	R635,04
3.A.19	D-DDT-1335	Phase / phase – Delta / 1.3m Steel X-arm - Strain - Large (60-90°) Deviation	Ea	R656,05
3.A.20	D-DDT-1336	Phase / phase – Delta / 1.3m Steel X-arm - Strain - Terminal	Ea	R602,28
3.A.21	D-DT-1340	Phase / phase - Delta / 2,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R672,55
3.A.22	D-DT-1340B	Phase / phase - Delta / 2,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R792,28
3.A.23	D-DT-1343	Phase / phase - Delta / 2,5m Wood X-arm – Strain - 0° Deviation	Ea	R795,35
3.A.24	D-DT-1344	Phase / phase - Delta / 2,5m Wood X-arm – Strain - Medium(1°-60°) Deviation	Ea	R759,52
3.A.25	D-DT-1346	Phase / phase - Delta / 2,5m Wood X-arm – Strain - Terminal	Ea	R613,78
3.A.26	D-DT-1370 *	Phase / phase - H-Pole / 4,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R942,59
3.A.27	D-DT-1371	Phase / phase – H-Pole / 4.5m Wood x-arm – Intermediate – Small (1 –10 degree) deviation	Ea	R948,76
3.A.28	D-DT-1373	Phase / phase - H-Pole / 4,5m Wood X-arm – Strain – 0° Deviation	Ea	R919,95
3.A.29	D-DT-1374	Phase / phase - H-Pole / 4,5m Wood X-arm – Strain - Medium(1°-60°) Deviation	Ea	R943,08
3.A.30	D-DT-1376	Phase / phase - H-Pole / 4,5m Wood X-arm – Strain – Terminal	Ea	R920,60
3.A.31	D-DDT-1390*	Phase / phase - T-frame / 2m Steel X-arm – Intermediate - 0° Deviation		R775,61
3.A.32	D-DDT-1391*	Phase / phase - T-frame/ 2m Steel X-arm – Intermediate - Small (1- +/-10°) Deviation		R626,70
		B. 3 Phase Structures-General arrangements (Index) : (*) do not have road Crossing applications		
3.B.1	D-DT-1700	3 Phase – Staggered Vertical (600mm spacing) – Intermediate – 0 degree deviation	Ea	R493,38

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3.B.2	D-DT-1701	3 Phase – Vertical (450mm spacing) – Intermediate - small(1 – 10 degree) deviation	Ea	R564,05
3.B.3	D-DT-1702	3 Phase – Vertical (450mm spacing) – Intermediate – medium (10 – 30 degree) deviation	Ea	R571,65
3.B.4	D-DT-1703	3 Phase – Vertical (450mm spacing) – strain – 0 degree deviation	Ea	R688,26
3.B.5	D-DT-1704	3 Phase – Vertical (450mm spacing) – strain – small (1 –30) deviation	Ea	R695,97
3.B.6	D-DT-1705	3 Phase – Vertical (450mm spacing) – strain – large (30 – 90 degree) deviation	Ea	R795,33
3.B.7	D-DT-1706	3 Phase – Vertical (450mm spacing) – strain – terminal	Ea	R843,83
3.B.8	D-DT-1710	3 Phase - Staggered Vertical (600mm spacing) – Intermediate - 0° Deviation	Ea	R765,74
3.B.9	D-DT-1711 *	3 Phase - Vertical (600mm spacing) – Intermediate - Small(1°-±10°) Deviation	Ea	R875,97
3.B.10	D-DT-1712	3 Phase – Vertical (600mm spacing) – Intermediate – medium (10 – 30 degree) deviation	Ea	R683,05
3.B.11	D-DT-1713	3 Phase - Vertical (600mm spacing) - Strain – 0° Deviation	Ea	R679,11
3.B.12	D-DT-1714	3 Phase - Vertical (600mm spacing) - Strain – Small(1°-30°) Deviation	Ea	R816,24
3.B.13	D-DT-1715	3 Phase - Vertical (600mm spacing) - Strain – Large(30°-90°) Deviation	Ea	R863,37
3.B.14	D-DT-1716	3 Phase - Vertical (600mm spacing) - Strain – Terminal	Ea	R762,65
3.B.15	D-DT-1720	3 Phase – Delta (450mm stud) – Intermediate – 0 degree deviation	Ea	R609,25
3.B.16	D-DT-1730	3 Phase – Delta (600mm stud) Intermediate – 0 degree deviation	Ea	R609,25
3.B.17	D-DT-1733	3 Phase - Delta / 2,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R742,62
3.B.18	D-DDT-1734	3 Phase / phase – Delta / 1.3m Steel X-arm - Strain - Medium(1-60° Deviation)	Ea	R753,41
3.B.19	D-DDT-1735	3 Phase / phase – Delta / 1.3m Steel X-arm - Strain - Large (60-90°) Deviation	Ea	R760,89
3.B.20	D-DDT-1736	3 Phase / phase – Delta / 1.3m Steel X-arm - Strain - Terminal	Ea	R693,16
3.B.21	D-DT-1740	3 Phase - Delta / 2,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R722,49
3.B.22	D-DT-1740B	3 Phase - Delta / 2,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R722,49
3.B.23	D-DT-1743	3 Phase - Delta / 2,5m Wood X-arm - Strain – 0° Deviation	Ea	R953,15

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3.B.24	D-DT-1744	3 Phase - Delta / 2,5m Wood X-arm - Strain – Medium(1°-60°) Deviation	Ea	R978,85
3.B.25	D-DT-1746	3 Phase - Delta / 2,5m Wood X-arm - Strain – Terminal	Ea	R877,07
3.B.26	D-DT-1747	3 Phase - Delta / 2 x 2,5m Wood X-arm - Strain - 0° Deviation	Ea	R877,76
3.B.27	D-DT-1748	3 Phase - Delta / 2 x 2,5m Wood X-arm - Strain - Medium(1°-60°) Deviation	Ea	R914,37
3.B.28	D-DT-1749	3 Phase - Delta / 2 x 2,5m Wood X-arm - Strain - Terminal	Ea	R914,37
3.B.29	D-DT-1750	3 Phase - Delta / 4,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R976,88
3.B.30	D-DT-1753	3 Phase - Delta / 4,5m Wood X-arm - Strain – 0° Deviation	Ea	R1 472,19
3.B.31	D-DT-1754	3 Phase - Delta / 4,5m Wood X-arm - Strain – Medium(1°-60°) Deviation	Ea	R871,19
3.B.32	D-DT-1756	3 Phase - Delta / 4,5m Wood X-arm - Strain – Terminal	Ea	R863,47
3.B.33	D-DT-1763	3 Phase - H-Pole / 3,5m Wood X-arm - Strain - 0° Deviation	Ea	R912,57
3.B.34	D-DT-1764	3 Phase - H-Pole / 3,5m Wood X-arm - Strain - Medium(1°-60°) Deviation	Ea	R941,50
3.B.35	D-DT-1766	3 Phase - H-Pole / 3,5m Wood X-arm - Strain - Terminal	Ea	R838,79
3.B.36	D-DT-1767	3 Phase - H-Pole / 2 x 3,5m Wood X-arm – Strain - 0° Deviation	Ea	R805,89
3.B.37	D-DT-1768	3 Phase - H-Pole / 2 x 3,5m Wood X-arm – Strain - Medium(1°-60°) Deviation	Ea	R766,82
3.B.38	D-DT-1769	3 Phase - H-Pole / 2 x 3,5m Wood X-arm - Strain – Terminal	Ea	R844,38
3.B.39	D-DT-1770*	3 Phase - H-Pole / 4,5m Wood X-arm – Intermediate - 0° Deviation	Ea	R982,46
3.B.40	D-DT-1771*	3 Phase - H-Pole / 4,5m Wood X-arm – Intermediate - Small(1°-±10°) Deviation	Ea	R996,35
3.B.41	D-DT-1773	3 Phase - H-Pole / 4,5m Wood X-arm - Strain - 0° Deviation	Ea	R1 003,53
3.B.42	D-DT-1774	3 Phase – H-Pole / 4,5m Wood X-arm - Strain - Medium(1°-60°) Deviation	Ea	R1 011,25
3.B.43	D-DT-1776	3 Phase – H-Pole / 4,5m Wood X-arm - Strain - Terminal	Ea	R972,15
3.B.44	D-DT-1777	3 Phase – H-Pole / 2 x 4,5m Wood X-arm – Strain - 0° Deviation	Ea	R952,11
3.B.45	D-DT-1778	3 Phase – H-Pole / 2 x 4,5m Wood X-arm – Strain – Medium(1°-60°) Deviation	Ea	R887,25

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3.B.46	D-DT-1873	3 Phase – H-Pole / 2 x 4,5m Wood X-arm – Strain – Large(61°-90°) Deviation	Ea	R905,76
3.B.47	D-DT-1779	3 Phase – H-Pole / 2 x 4,5m Wood X-arm – Strain – Terminal	Ea	R959,81
3.B.48	D-DT-1783	3 Phase – Trips – Strain - 0° Deviation (Front view)	Ea	R991,90
3.B.49	D-DT-1784	3 Phase – Trips – Strain - Large(01°-90°) Deviation (Front view)	Ea	R991,90
3.B.50	D-DT-1793	Chickadee Conductor H-Pole Suspension Structure	Ea	R1 504,80
3.B.51	D-DT-1794	Chickadee Conductor H-Pole Braced In-Line strain including the crimped terminations and jumpers	Ea	R1 517,14
3.B.52	D-DT-1795	Chickadee Conductor H-Pole Braced Angle strain (1-60°) including crimped terminations and jumpers	Ea	R1 687,04
3.B.53	D-DT-1796	Chickadee Conductor H-Pole Braced Terminal structure	Ea	R1 589,63
3.B.54	ER00201	Steel mono pole 18m attachment height for road crossings	EA	R3 507,29
C. Single Wire Earth Return Reticulation LineStructures: (*) do not have Road Crossing applications				
3.C.1	D-DT-0400	Intermediate (0)	Ea	R217,60
3.C.2	D-DT-0401	Intermediate small angle (1to 10)	Ea	R184,00
3.C.3	D-DT-0402*	Medium angle suspension (10 to 30)	Ea	R221,30
3.C.4	D-DT-0403	In-line strain	Ea	R283,81
3.C.5	D-DT-0404	Small angle strain (1to 30)	Ea	R328,24
3.C.6	D-DT-0406	Large angle strain (30 to 90)	Ea	R296,15
3.C.7	D-DT-0407	Terminal	Ea	R232,69
3.C.8	D-DT-0410	Intermediate (0) with earth wire	Ea	R190,42
3.C.9	D-DT-0411	Intermediate small angle (1 to 10) with earth wire	Ea	R190,42
3.C.10	D-DT-0412*	Medium angle suspension (10 to 30) with earth wire	Ea	R215,09
3.C.11	D-DT-0413	In-line strain with earth wire	Ea	R263,51
3.C.12	D-DT-0414	Small angle strain (1° to 30)with earth wire	Ea	R238,70

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

3.C.13	D-DT-0416	Large angle strain (30 to 90) with earth wire	Ea	R273,62
3.C.14	D-DT-0417	Terminal with earth wire	Ea	R208,79
3.C.15	D-DT-0418	Earth wire Termination on Intermediate/Strain Structure	Ea	R204,92
3.C.16	D-DT-0450	SWER T-off general arrangement	Ea	R325,04
3.C.17	D-DT-0451	SWER plus earth wire T-off general arrangement	Ea	R358,90
D. Substation,Earthing and Auxiliary Structures				
3.D.1	D-DT-0464	SWER recloser general arrangement	Ea	R445,80
3.D.2	D-DT-0465	SWER cut-out general arrangement	Ea	R405,70
3.D.3		3 Phase Take-off – Delta / 1,3m Steel x-arm	Ea	R760,88
3.D.4	D-DT-1804	3 Phase Take-off - 2,5m Wooden X-arm	Ea	R760,88
3.D.5	D-DT-1805R0	3 Phase Take-off - 2 x 2,5m Wooden X-arm	Ea	R760,88
3.D.6	D-DT-1806R0	3 Phase Take-off - H-Pole (3,5m Wooden X-arm)	Ea	R760,88
3.D.7	D-DT-1807R0	3 Phase Take-off - H-Pole (2 x 3,5m Wooden X-arm)	Ea	R760,88
3.D.9	D-DT-1808R1	3 Phase Take-off - 1,7m Steel x-arm (Fox)	Ea	R760,88
3.D.10	D-DT-1809R1	3 Phase Take-off - 1,7m Steel x-arm (Hare)	Ea	R507,25
3.D.11	D-DT-1810	Phase/Phase take-off – Vertical (450mm spacing)	Ea	R507,25
3.D.12	D-DT-1811R1	Phase / phase Take-off – Vertical (600mm spacing)	Ea	R507,25
3.D.13	D-DT-1813R0	Phase / phase Take-off - Delta / 1,3m Steel x-arm	Ea	R507,25
3.D.14	D-DT-1814R0	Phase / phase Take-off - 2,5m Wooden X-arm	Ea	R507,25
3.D.15	D-DT-1815R1	Phase / phase Take-off - 2 x 2,5m Wooden X-arm	Ea	R507,25
3.D.16	D-DT-1816R0	Phase / phase Take-off - H-Pole (3,5m Wooden X-arm)	Ea	R507,25
3.D.17	D-DT-1817R0	Phase / phase Take-off - H-Pole (2 x 3,5m Wooden X-arm)	Ea	R507,25

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3.D.18	D-DT-1818R1	Phase / phase Take-off - 1,7m Steel x-arm (Fox)	Ea	R507,25
3.D.19	D-DT-1819R1	Phase / phase Take-off - 1,7m Steel x-arm (Hare)	Ea	R507,25
3.D.20	D-DT-1821R0	Sectionaliser – Current sensing – General arrangement (sheet 1 of 2)	Ea	R1 286,62
3.D.21	D-DT-1821R0	Sectionaliser - Current sensing – Earthing details (sheet 2 of 2)	Ea	R1 219,27
3.D.22	D-DT-1825CBL	Recloser structure - General arrangement	Ea	R3 217,38
3.D.23	D-DT-1825CBL	Recloser structure - Earthing details	Ea	R1 368,48
3.D.24	D-DT-1829b	Recloser structure – General arrangement (INCLUDING PMRTV) (sheet 1 of 2)	Ea	R2 240,48
3.D.25	D-DT-1829B	Recloser structure - General arrangement (WITHOUT PMRTV)(sheet 2 of 2)	Ea	R2 106,81
3.D.26	D-DT-1833B	Regulator - 100 / 200A Open Delta – General Arrangement (sheet 1 of 3)	Ea	R3 773,91
3.D.27	D-DT-1833B	Regulator - 100 / 200A Open Delta – Earthing details (sheet 3 of 3)	Ea	R3 788,30
3.D.28	D-DT-1834B	Regulator - 100 / 200A Closed Delta - General Arrangement (Sheet 1 of 2)	Ea	R3 841,78
3.D.29	D-DT-1834B	Regulator - 100 / 200A Closed Delta - Earthing Detail Sheet 2 of 2)	Ea	R3 788,30
3.D.30	D-DT-1832R0	Capacitor bank - General Arrangement.	Ea	R2 106,81
3.D.31	D-DT-1840R1	CT/VT Metering - Bulk Tariff – General arrangement	Ea	R3 699,43
3.D.32	D-DT-1840 R1	CT/VT Metering - Earthing details	Ea	R485,58
3.D.33	D-DT-1841R1	CT/VT Metering - Statistical – General arrangement	Ea	R1 518,22
3.D.34	D-DT-1844	Line arrestors H Pole Configuration	Ea	R865,12
3.D.35	D-DT-1845	Line arrestors H Pole Configuration	Ea	R875,41
3.D.36	D-DT-1847R0	Section Links - Cut-outs - 3,5m / 4,5m Wood X-arm / H-pole	set	R1 225,41
3.D.37	D-DT-1848R0	Section Links - Cut-outs - 2,5m Wood X-arm / Single Pole	set	R932,12
3.D.38	D-DT-1849R0	Equipment Links - Cut-outs - 2,5m Wood X-arm / Single Pole	set	R733,34
3.D.39	D-DT-1850R0	Section / Equipment Links - Cut-outs - 1,3m Steel X-arm / Single Pole	set	R679,80

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3.D.40	D-DT-1851R0	Equipment Links - Cut-outs - 2,5m Wood X-arm / H-pole	set	R746,16
3.D.41	D-DT-1852R0	By-pass Links - Cut-outs - 3,5m / 4,5m Wood X-arm / H-pole	set	R802,21
3.D.42	D-DT-1853R0	Equipment Isolating (in-out) Links - Cut-outs - 2 x 2,5m Wood X-arm / H-pole	set	R932,91
3.D.43	D-DT-1857R0	Section / By-pass switch - Tri-switch – Single pole	set	R1 229,75
3.D.44	D-DT-1858R0	Section / By-pass switch - Tri-switch - H-pole 1800 spacing	set	R1 229,75
3.D.45	D-DT-1865B	Transformer - Out of Line 100kVA to 200KVA	Ea	R2 714,74
3.D.46	D-DT-1866B	Transformer - Out of Line 16kVA to 64kVA	Ea	R2 184,95
3.D.47	D-DT-1869R1	Section/Equipment links - Cut-outs- 1,7m Steel X-arm/Single pole	set	R982,24
3.D.48	D-DT-0210	MV SWER isolation transformer main earth rod type electrode as per DDT 0210 includes the conductor and electrodes but excludes assembly, excavation, backfilling and compaction	Ea	R616,14
3.D.49	D-DT-0211	MV SWER isolation transformer main earth trench type electrode assembly as per DDT 0211 includes the conductor and electrodes but excludes excavation, backfilling and compaction	Ea	R686,06
3.D.50	D-DT-0212	MV SWER understrung earth wire rod type electrode assembly as per DDT 0212 which includes the conductor and electrodes but excludes excavation, backfilling and compaction	Ea	R710,90
3.D.51	D-DT-0213	MV SWER understrung earth wire trench type electrode assembly as per DDT 0213 which includes the conductor and electrodes but excludes excavation, backfilling and compaction	Ea	R710,90
3.D.52		MV SWER distribution transformer secondary earth electrode trench type assembly which includes the conductor and electrodes but excludes excavation, backfilling and compaction	Ea	R686,06
4. MISCELLANEOUS				
The rates exclude the cost of excavation and Stays but all other costs are included.				
4,1	D-DT-341	MV wood, stay assembly components	Ea	R240,62
4,2	D-DT-341	MV concrete, stay assembly components	Ea	R234,45
4,3	D-DT-341	MV wood / concrete heavy conductor stay assembly sheet 4 of 5	Ea	R539,87

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4,4	D-DT-341	Wood / Concrete poles stay guard application sheet 5 of 5	Ea	R277,64
4,5	D-DT-342	MV wood strut pole assembly	Ea	R265,30
4,6	D-DT-343	MV overhead (flying) stay assembly	Ea	R314,66
Installation of plinths				R0,00
4,7	D-DT-0859	11/22kv universal type a mini sub plinth (cast on site) sheet 1-7 including concrete	Ea	R2 396,37
4,8	D-DT-0859	11/22kv universal type a mini sub plinth (pre- cast) sheet 1-7	Ea	R2 486,89
4,9	D-DT-0861	11/22kV CT VT plinth (cast on site) -sheet 1 of 2 including concrete	Ea	R2 365,52
4,10	D-DT-0861	11/22kV CT VT plinth (precast) -sheet 2 of 2	Ea	R2 509,52
4,11	D-DT-0863	11/22kV2 WAY SF6 RING MAIN UNIT PLINTH (CAST ON SITE) - sheet 1-6 including concrete	Ea	R3 806,01
4,12	D-DT-0863	11/22kV2 WAY SF6 RING MAIN UNIT PLINTH (PRECAST) - sheet 1-6	Ea	R3 758,18
4,13	D-DT-0864	Transformer plinth for 100 to 1000kva transformers (cast on site) including concrete	Ea	R4 328,99
4,14		Transformer plinth for 100 to 1000kva transformers (precast)	Ea	R4 256,49
4,15		Installation of Ring Main Units - placement of ringmain unit on site(excluding cable termination but includes connections and insulation of terminal)	Ea	R1 632,39
Repairing trenching,driveways and paving with appropriate material (180 to 200mm wide) subject to negotiations with the Project Co-ordinator of the neccessity to subcontract				
4,16		Asphalt	m2	R447,28
4,17		Paving	m2	R210,50
4,18		Concrete	m2	R1 126,67
4,19		Lay PVC piping, 160mm, 3 metre length's	Ea	R94,46
4,20		Lay PVC piping, 250mm, 3 metre length's	Ea	R130,98
4,21		Cable Connection onto O/H line – Single pole with fuse cut out assembly	Ea	R584,49
4,22	D-DT-0850	Cable Reticulation-overhead cable support bracket for Distribution class S.A's (Sheet 1 and 3)	Ea	R560,21

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

4,23	D-DT-0851	Cable Reticulation-overhead cable support bracket for Dribution class S.A's	Ea	R560,21
4,24	D-DT-0852	Cable Reticulation-overhead cable support bracket for Distribution class S.A's	Ea	R563,30
4,25	D-DT-0290	Install link	Ea	R691,14
4,26		Install post insulator	Ea	R372,40
4,27		Install long rod insulator	Ea	R327,67
4,28	09TB-01	Install birdflap divertors-spring loaded	Ea	R235,94
4,29	DSP34-1204	Install vibration dampers per phase	Ea	R170,54
4,30		MV midspan joint per phase (any number of cores, any type conductor)	Ea	R92,97
4,31		MV Auto splice mid span per phase (approved technology acceptable for use provided applied correctly)	Ea	R80,21
4,32	D-DT-0250	Insulator conductor assembly strain thimble/helical dead end only	Ea	R226,13
4,33	D-DT-0251	Insulator/conductor assembly- strain pistol grip only	Ea	R270,86
4,34	D-DT-0253	Insulator/conductor assembly-suspension clamp	Ea	R294,00
4,35	D-DT-0256/0392	Top groove tie assembly post insulator assembly	Ea	R297,08
4,36	D-DT-0256/0335	Top groove tie assembly post insulator assembly with Pole Top Bracket	Ea	R309,42
4,37	D-DT-0259	Side groove tie post insulator/conductor assembly	Ea	R258,51
4,37	D-DT-0260	200/400kVA isolation transformer statistical metering assembly	Ea	R538,22
4,38	D-DT-0276	Isolation transformer platform assembly	Ea	R347,36
4,39	D-DT-0277	Voltage transformer assembly	Ea	R400,02
4,40	D-DT-0278	Peak current monitoring assembly	Ea	R496,51
4,41	D-DT-0297	Pole mounted drop-out fuse assembly-Swer	Ea	R414,46
4,42	D-DT-0314	Phase and neutral connection detail	Ea	R298,78
4,43	D-DT-0317	Wooden x-arm / pole " H" assembly	Ea	R291,43

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

4,44	D-DT-0346	Surge arrester assembly (Single phase)	Set of 2	R717,09
4,45		Double arrester assembly	Set of 2	R735,60
4,46	D-DT-0346	Surge arrester assembly (dual phase)	Set of 2	R762,35
4,47	D-DT-0346	Surge arrester assembly (three phase)	Set of 3	R895,20
4,48	D-DT-0373	Wood x-arm + eyebolt strain assembly	Ea	R175,21
4,49	D-DT-0375	Wood x-arm + eyebolt terminal assembly	Ea	R172,12
4,50	D-DT-0378	Suspension assembly-wood cross-arm eyebolt	Ea	R107,34
4,51	D-DT-0383	Wood pole single post insulator assembly	Ea	R107,34
4,52	D-DT-0391	Wood x-arm / pole post insulator assembly (long spindle)	Ea	R125,85
4,53	D-DT-0273	Double platform for isolation transformer	Ea	R940,72
4,54	D-DT-0316	Strain assembly – 2500 Wood X-Arm pole	Ea	R653,12
4,55	D-DT-0318	Strain assembly – 2x3500 / 4500 Wood x – arm pole	Ea	R683,97
4,56	D-DT-0319	Strain Assembly – 1300 Steel X – Arm pole	Ea	R641,84
4,57	D-DT-0320	Strain assembly 2x2500 Wood X-arm pole	Ea	R558,52
4,58	D-DT-0340	MV earthing connections for surge arrestors(there was no description)	Ea	R416,47
4,59	D-DT-0370	Strain assembly – 1300 steel x-arm –twisted link	Ea	R488,04
4,60	D-DT-0371	Terminal assembly – 1300 steel x-arm – twisted link	Ea	R501,31
4,61	D-DT-0374	Strain assembly – 2x wood x-arm – Threaded rod	Ea	R501,79
4,62	D-DT-0376	Terminal assembly – 2xwood x-arm –threaded rod	Ea	R513,64
4,63	D-DT-0390	Post insulator assembly – Steel x-arm – short spindle	Ea	R582,12
4,64	D-DT-0392	Post insulator assembly – Wood x-arm / pole _ threaded rod	Ea	R582,12
4,65	D-DT-0393	Post insulator assembly – wood x-arm / pole – Swivel spindle	Ea	R612,97

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

4,66	D-DT-0397	X-arm assembly – 1700 steel x-arm – Fox & Hare	Ea	R669,44
4,67	D-DT-0398	Take-off assembly – 1700 steel x-arm – fox & hare	Ea	R673,75
4.68		Feeder Label	Ea	R21,89
4.69		Installation of raptor protector	Ea	R187,46
4,70	05TI-09	Installation of an anti climbing device-pole	Ea	R150,44
4,71	05TI-09	Installation of an anti climbing device-stay	Ea	R215,23
4,72	09TB-01	Installation of bird flapper	Ea	R201,64
				R0,00
5. RECOVERING OF STRUCTURES, INSULATORS, LINE HARDWARE AND CABLE COMPONENTS				
Prices are to include the recovery in good condition of poles, crossarms, insulators and line hardware, the transporting of these items to the nearest Eskom Regional Distribution Centre store (Minor works) TSC SAP store for Field Services work, and the backfilling consolidation and levelling of soil from excavations.				
Prices shall be in terms of meters of conductor/cable recovered and shall include for the coiling of the recovered conductor onto drums provided by Eskom, and the transporting of the conductor/cable as coiled to the nearest Eskom Operational Store.				
5,1		Miscellaneous wood poles (9m to 13m) including dismantling of crossarms, insulators and hardware	Ea	R226,27
5,2		Removal of 2,5m/3.5m crossarm including hardware	Ea	R214,84
5,3		Removal of 4,5m crossarm including hardware	Ea	R229,97
5,4		Removal of a post / pin insulator	Ea	R174,05
5,5		Removal of a long rod	Ea	R173,71
5,6		Removal of link	Ea	R126,80
5,7		Mv & Lv Stay assemblies complete excluding stay rod	Ea	R209,82
5,80		Reposition of stay		R425,20
5,9		Mv & Lv Recovering of conductor per phase(Coductor Fox, Mink, Oak, Hare, Squirrel, Pine Magpie, 35)	Per m	R184,34

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

5,10		Removal of MV cable terminations from RMU Mini sub , compount filled ends	Per term	R472,30
5,11		Recovering of MV (Cable above ground)	per m	R9,39
5,12		Recovering of MV (Cable below ground)	per m	R8,17
DISMANTLE GROUND OR POLE MOUNTED TRANSFORMERS				
5,13		5 – 100 kva- single pole (including CT/VT units)	Ea	R1 014,14
5,14		200 – 500 kva- platform pole mounted/ground/ 400-630A LPU mv switchgea(RMU) indoor	Ea	R1 423,76
5,15		1MVA	Ea	R1 770,45
5,16		Freestanding RMU		R1 955,57
5,17		Breakers pole mount	Ea	R1 478,71
				R1 297,29
6.TRANSFORMER & ASSEMBLY (LATEST REVISION APPLIES)				
6,1	D-DT-1860	16KVA to 100 KVA Pole mount	Ea	R3 649,19
6,2	D-DT-1861	100 KVA to 200kva Platform mounted	Ea	R3 814,31
6,3	D-DT-1862	315 KVA to 500 kva Platform mounted	Ea	R6 053,13
6,4	D-DT-1868	2x500 KVA Platform mounted	Ea	R12 106,26
6,5	D-ER-1865B	MV Transformer 100 - 200 kVA/platform mounted 'out-of-line' - General arrangement	Ea	R4 420,31
6,6	D-ER-1866B	MV Transformer 5-100 kVA/Single pole mounted 'out-of-line' - General arrangement(transformer installation to be claimed seperately)	Ea	R4 509,74
6,7		200 to 1MVA Minisub (type A & B) including LV commissioning and labelling, excluding MV termination	Ea	R2 104,04
6,8		RMU indoor and outdoor		R1 856,04
6,8		100 to 1MVA ground mounted trfr, including LV commissioning and labelling excluding MV TERMINATION	Ea	R2 045,29
6,9		MV wood, surge arrestor connection (earth to first spike, including L V surge arrestor connection)	set	R847,08

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6,10	D-DT-0627	MV AND LV earthing	set	R1 217,73
6,11	D-DT-0460	Single pole-mounted isolation transformer substation	Ea	R1 394,63
6,12	D-DT-0421	Four pole isolation transformer (200kva and 400kva)	Ea	R2 340,84
6,13	D-DT-0461	H pole-mounted isolation transformer substation	Ea	R2 030,24
6,14	D-DT-0462	Single SWER distribution transformer – 16kVA or 32 kVA	Ea	R1 209,50
6,15	D-DT-0463	Two SWER distribution transformer - 2 ' 32 kVA	Ea	R690,25
6,16	D-DT-0468	MV SWER Single SWER distribution transformer	Ea	R1 203,33
6,17	D-DT-1867R0	Transformer - Single pole mount 'back-to-back-64kVA - General arrangement	Ea	R691,14
6,18	D-DT-1868R0	Transformer - Extended double platform mount - >500kVA - General arrangement	Ea	R962,67
6,19		Installation of waterproofing and sealant	m2	R972,95
Miscellaneous				
6,20		Installation of conductive cement	Per m	R169,91
Prices quoted shall be in terms of "m of conductor strung" (route length) and shall include for the carting of full drums of conductor to site,the running off and stringing of conductor,tensioning to correct tension or sag,the installation of armour rods				
7.STRINGING				
7,1		Stringing of MV Bare (Fox,Mink,Hare,Oak,Squirrel,Pine,Magpie,35) conductor per meter of conductor (per phase + Tensioning	per m per phase	R4,11
7,2		Stringing of MV Bundle conductor per metre of conductor + Tensioning	per m	R5,08
7,3		50% of span length MV cable can be claimed for stringing for strain structiure replacement per circuit	m	R5,89
7,4		Stringing of chikadee conductor	m	R9,09
7,5		Crimping (Full tension, jumpers and lugs)	Pre Crimped Component	R8,89
7,6		Crimping of compression dead ends (100t press)	Ea	R26,01

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7,7		200/630 KVA Indoor metalclad switch gear	Ea	R1 827,94
Cable ends to be looped to provide slack				
7,8		Road crossing trench excavation to a depth of 1.35 metres, backfilling and compacting per metre		
7,9		In Class 1 soft soil	m	R712,54
7,10		In Class 2 pickable soil	m	R712,54
a		In Class 3 clay soil	m	R712,54
b		In Class 4 marshy soil	m	R1 479,89
7,11		Trench under road surface parallel to kerbing, backfilling and compacting per meter		
a		In Class 1 soft soil	m	R460,41
b		In Class 2 pickable soil	m	R460,41
c		In Class 3 clay soil	m	R460,41
d		In Class 4 marshy soil	m	R460,41
e		Rock Trench	m	R1 479,89
7,12		Compressor hire as per the Supplier's invoice with hour metre utilization		
7,13		Rock Option 1 - Labour rate to operate the compressor and pneumatic tools including vehicle mounted rock auger.(Supplier' invoice required + 5% handling fee)	per metre	Cost Plus fee 5%
7,14		Termination(complete) SINGLE CORE		
a		>70 – 500mm	Ea	R377,87
7,15		Termination complete (mechanical gland/heat shrink/goose) FROM 2 CORE UP		
a		95 – 120mm	Ea	R756,39
b		150 – 300mm	Ea	R756,39

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7,16		Jointing		
a		95 – 120mm	Ea	R2 137,62
b		150 – 300mm	Ea	R2 137,62
7,17		Termination complete (mechanical gland/heat shrink/goose)		R1 196,66
a		Laying of the cable only	m	R19,40
7,18		Strapping of the cable to the pole (MV & LV) every 500mm	Ea	R567,88
7,19		Cable fault finding	m	R1 414,12
7,20		MV cable testing	m	R2 828,24
7,21		Panel Dry ice cleaning of carbon	per panel	R3 179,03
7,22		For any material purchased the tax invoice should be submitted and the handling fee will be paid as follows: Invoice plus 7% mark up		cost plus fee 7%
7,23		Insulators Glass/Porcelain		
7,24		Replace Insulator - 11KV and 22KV strain	EA	R460,33
7,25		Replace Insulator - 11KV and 22KV intermediate	EA	R460,33
7,26		Replace Insulator - 5 pole structure type	EA	R2 301,66
8.TRANSFORMER & ASSEMBLY (LATEST REVISION APPLIES)				
		Insulators Glass/Porcelain		
8,1		Replace Insulator - 66 and 132KV suspension	EA	R1 041,23
8,2		Replace Insulator - 66 and 132KV strain	EA	R1 205,63
8,3		Replace Insulator - 66 & 132 KV steel lattice (Strain or Suspension)	EA	R2 356,46
8,4		Replace Insulator - 66 & 132 KV Monopole Structure (Strain or Intermediate)	EA	R2 411,26
9. TRANSPORT				

PROVISION OF REPAIR AND MAINTANANCE OF LOW VOLTAGE (LV),MEDIUM VOLTAGE (MV),HIGH VOLTAGE (HV) OVERHEAD WITHIN GAUTENG CLUSTER ON AN 'AS AND WHEN REQUIRED' BASIS FOR A PERIOD OF 4 YEARS

		Transport cost will include the distance from contractor's office to the site		
		NOTE : Contractors will only get paid for additional trips if these are specifically requested and authorised by the Employer's Representative		
9,1		LDV	Per km	R6,42
9,2		TLB	per hour	R454,07
9,3		Aerial device fitted to a truck	Per km	R44,85
9,4		2-4 ton truck with no crane	Per km	R17,60
9,5		2-4 ton truck with crane	Per km	R23,07
9,6		8 ton truck	Per km	R25,29
9,10		8 ton truck with crane (4 x4) &(2 x 4)	Per km	R26,75

Note:

The above rates excludes VAT and will be fixed and firm for the first 12 months of the contract, thereafter rates will be escalated as per SEIFSA Indices every 12 months thereafter

A maximum of two trips will be catered for, the first being for assessment purposes, the second being for execution purposes. These trips will be paid for from the base of operations to the site of repair and return.



HV -MV-LV -Dx -
Proposed Rates 2022.

Contractor must accept the above rates:

Names in Full.....

Signature.....

Date.....

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
	This cover page	1
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	Total number of pages	17

C3.1: EMPLOYER'S SERVICE INFORMATION

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Description of the service

The scope of work includes the following:

Services

Provide within Gauteng Cluster geographical area, Eskom certified competent, qualified and skilled Officials / Electricians for the purpose of fault finding, maintenance and restoring of customer supply on the HV AND MV network.

Labour Resource Requirements

Eskom approved courses for low Voltage Officials, LV regulations, fault finding techniques, low voltage live work procedures (EAL Certificates)

Trade tested Electricians, with LV regulations and fault finding techniques, low voltage live work procedures (EAL Certificate)

All operators will be Eskom approved for Low Voltage systems i.e. LV authorization

Complete Portfolio of Evidence will be required

Equipment Requirements.

Staff must be issued with a

1. Voltage tester (Duspol)
2. Clamp on meters that have Voltage and Amps.
3. LV earths for open wire systems.
4. Close proximity tester for low voltage
5. Megger 5 kV
6. Earth leakage tester - polarity tester.
7. FAS and FAS rescue kits.
8. Hand tools and truck tools to perform the basic repairs and maintenance on the LV systems.
9. All PPE for working on dead and live LV systems.

Transport Requirements

Transport in the form of a LDV that can carry a ladder (3.6 meter extension ladder)

MV/HV MAINTENANCE SCOPE REQUIREMENTS

The Contractor will receive a Task Order and a detailed list of feeders with structure numbers from the Project Manager which require replacement or repair. Only structures reflected on the Task Order will be attended to by the Contractor. Any structures not reflected on the list but requiring attention must first be approved by the Project Manager prior to replacement or repair.

The contractor will ensure that he/she is fully authorized for the specific method and procedure in accordance with the Standard 34-146 "Authorisation standard for operating on high voltage systems"

- All faults will be managed in line with Eskom current work flow processes and payment will be in line with the current Eskom procurement / Financial practices
- Contractor employee must be able to perform standby duties and respond to a call out within a 2 hour period of time from the dispatched Works Order being received during normal working hours or during after hour periods including weekends and public holidays.
- Once the contractor is on site, they are to notify the Eskom Dispatch Representative who issued the Works Order that they are at the site of the fault and notify the Eskom Dispatch Representative once the fault has been corrected.
- Once the work is complete, a quotation should be submitted by the Contractor to the Contract Office for verification.
- The cost of all vehicles, equipment and labour must be included in the rates for particular items.
- The Contract Office will verify the work done and the Contractor and the Contract Office Representative will then agree on a final amount payable for the works order issued.
- A Task Order will be issued on a weekly basis containing the combined agreed value of work done by the Contractor for the particular week and a Payment Certificate will be created with the relevant Task Order Number, Service Entry Number and Goods Receipt Number.

The contractor can then issue a Tax Invoice with the information contained on the Payment Certificate and submit the Tax Invoice directly to Eskom Financial Shared Services

Equipment

The contractor shall ensure that the necessary plant (including crane trucks), labour and equipment are available to be able to perform all maintenance under Eskom approved dead work methods and in accordance with all standards related to Dead work maintenance in Eskom. The cost of all related vehicles, equipment and labour should be included in the rate for all particular items.

Phasing

The Contractor will check phasing before and after working on the erected structure. Any damage to equipment due to reversed phasing or incorrectly connected transformer will be for the Contractor's account and is to be immediately rectified.

Excavation

All excavations must be adequately barricaded and not left open.

All new structures will comply with the latest Eskom Standard, and any change will be given to the Contractor in writing by the Project Manager or representative prior to implementation. Excavations are the Contractor's responsibility soil conditions will be assessed on site. Provision is made in the price schedule for rock excavations or rock drilling.

Employer's requirements for the service

The contractor is to ensure compliance with the following:

- a. Wireman's license (Single Phase Tester, Installation Electrician or Master Electrician)
- b. Department of Labour registration as Electrical Contractor
- c. Operation Regulation for High Voltage System
- d. MV and LV authorisation (Eskom accreditation)
- e. CIDB registration, updating and maintenance of registration
- f. CSD registration and continuous compliance maintenance. Should the Contractor not maintain their compliance status of their CSD, no work can be issued during the period of non-compliance. Should the non-compliance not be rectified within 4 weeks of becoming aware, this will be treated as a default and the Employer will be entitled to contractual remedy in terms of Clause 90 of the core clauses in the main conditions of contracts as per the NEC3 TSC, the default will be seen as "Hindering the Employer."

Interpretation and terminology

The following abbreviations are used in this Service Information:

Abbreviation	Meaning given to the abbreviation
GC	Gauteng Cluster
PSIRA	Private Security Industry Regulatory Authority
CIDB	Construction Industry Development Board
CSD	Central Supplier Database
NEC3 TSC	New Engineering Contract version 3 – Term Services Contract
MS	Microsoft

Management strategy and start up.

The *Contractor's* plan for the service

FORMAT OF THE PLAN

The *Contractor* shall submit his Plan in terms of the conditions of contract. The *Contractor* is to submit a first Plan for acceptance within **7 working days** before the issue of a Project Task Order. The *Contractor* is to submit a revised Plan for acceptance at each site meeting when instructed to do so by the Project Manager.

The Plan shall be in the form of an approved **Gantt Chart** containing the following information:

- **All construction activities**, including milestones, initial tasks, critical path, required Outages, and target *Dates*. All potential risk activities should be clearly indicated on the **critical path**.
- Every activity on the programme will be clearly linked to **labour** resources and **equipment** required to perform the specific activity.
- **Weather delays** in accordance with the requirements of the core clauses of the main contract conditions.
- **Projected weekly progress** on *site* for the entire duration of the project, where the project will exceed a duration of 1 week.
- **Completion and hand-over *Dates*** for formal inspection by the site supervisor must be indicated.
- A column showing the **daily tempo of all the construction activities** must be indicated next to the activity on the programme.
- **Project expenditure** on a weekly basis for the entire duration of the contract.

The following project phases and activities are minimum requirements for the Plan:

- **Site Establishment** and Material Delivery – Lead times to be specified.
- **Preparation work** – Work that can be completed without the necessity of power outages
- **Outage work** – Work that must be completed under outage conditions.
- **Planned outages** to be included in the Plan
- **Contractors float** to be included and indicated on the Plan.
- **The Plan will always be on site and in the possession of the Contractor's Site Manager.** In addition to the maintaining of this programme, the *Contractor* will report progress to the *Project Manager* at each site meeting or at request of the *Project Manager*.
- The *Contractor* shall also provide an organisation chart **showing the personnel to be employed for the works**, along with a detailed CV of all key personnel.
- Should any deviations to the Plan be required, the *Contractor* shall submit a revised Plan to the *Project Manager* within one week of such deviations being brought to the *Contractor's* attention.
- The Outages must be arranged with *Employer* via the Outage arrangement procedures, as a pre-requisite for the acceptance of the Plan by the *Project Manager*.
- Acceptance of any Plan by the *Project Manager* shall have no contractual status other than an indication that the *Project Manager* is satisfied as to the order in which the work is to be carried out, and that the *Contractor* undertakes to perform all work in accordance with the accepted Plan.

- The *Project Manager* retains the right to alter the accepted Plan should circumstances on *site* necessitate such a change.

OTHER INFORMATION TO BE SHOWN ON THE PLAN.

The following Statutory non-working days are included within the contract period:

- All Public Holidays during the duration of the works.
- The plan must clearly indicate the non-working days for the entire project period.

Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Daily before work commencement	On site or MS Teams	Employer and Contractor
Overall project progress and feedback	Daily	On site or MS Teams	Employer and Contractor
Scope of Work	Daily before work commencement	On site or MS Teams	Employer and Contractor

- Meetings of a specialist nature may be convened as specified elsewhere in this *Service Information* or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the *service*. Records of these meetings shall be submitted to the *Service Manager* by the person convening the meeting within five 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 register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

Contractor's management, supervision and key people

All Contractor Management, Supervision and Key People are to be in compliance with the Construction regulations and Eskom Requirements.

Documentation control

- Documentation will be identified with an alpha numeric, which indicates source, recipient, communication number, etc.
- All contractual communications will be in the form of properly compiled letters or forms attached to e-mails and not as a message in the e-mail itself.

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 Limited
Accounts Payable Section
Megawatt Park
No. 1 Maxwell Drive
Sunninghill

and include on each invoice the following information:

Name and address of the *Contractor* and the *Service Manager*;

The contract number and title;

Contractor's VAT registration number;

The *Employer's* VAT registration number 4740101508;

Description of service provided for each item invoiced based on the Price List;

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

Procedures for invoice submission and payment (e. g. electronic payment instructions)



e-invoicing letter to vendors (CI Edited). Ensure that Eskom pr



The process to

Insurance provided by the *Employer*

Refer to Annexure A - General ACAR Confirmation of Insurance which is updated annually for information of the limits of cover to be provided by the Contractor.

The contractor is to ensure that all deductible limits are updated on their insurance policies as they are made available by the Employer annually.

Training workshops and technology transfer

The Contractor's employees are to be trained on all required courses, if they do not have.

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

Operating manuals are to be provided to the Employer for all equipment supplied by the Contractor to the Employer.

Management of work done by Task Order

Work will be executed by the administration of Task Orders

Many considerations can apply to Task Orders, such as availability of resources, arrangements for emergency work, Task Order reporting (work carried out and service results), assessment of additional prices for service not included in the Price List, etc.

Task Orders may include things to be provided by the Employer under a Task Order and the conditions under which the Employer or Others are to work.

Task Orders shall be issued for approved scope and compensation events, which at the time of the award could not be foreseen.

The Contractor may not under any circumstance execute any additional work outside the parameters of the issued Task Order. Prior approval from the Project manager must be obtained.

There might be delays in providing approval of additional works to the Contractor by the Project Manager due to internal governance processes of the Employer requiring to be fulfilled. The Project Manager is to agree with the Contractor a suitable time period for providing acceptance or rejection of any additional cost where required.

Health and safety, the environment and quality assurance**Health and safety risk management (Annexure A)**

SHE Tender
Evaluation Template

Environmental constraints and management (Annexure B)

Environmental
Maintain HV Equipn

Quality assurance requirements (Annexure C)



ANNEXURE 3.3



ANNEXURE 2.2



ANNEXURE 1.1



ANNEXURE 6.6



ANNEXURE 5.5



ANNEXURE 4.4

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The **Contractor** shall comply with the quality requirements in the attached document.

SD&L requirements (Annexure D)

The **Contractor** shall comply with the SD&L requirements in the attached document.



annexure D.pdf



annexure C.pdf

SDL&I
requirements.docx

Masala SBD 6.2



Annexure F1 SBD



annexure E.pdf

Plant and Materials

Cataloguing requirements by the **Contractor**

The **Contractor** will be required to provide cataloguing information and labelling of all items with the **Employer's** catalogued data, after contract award. See below attachment for the following:

- Appendix 3.1 Part A – Narrative to be included under the Works Information / Goods Information (Enquiry and Contract)
- Appendix 3.2 Part B – Acknowledgement Form (Mandatory tender returnable)
- Appendix 3.3 Part C – Excel Spreadsheet To Be Completed By The Supplier After Contract Award
- Appendix 3.4 Specification For Labelling
- Appendix 3.5 Example Cataloguing Templates

Cataloguing
requirements by the C

Working on the Affected Property

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

The guards are expected to have access to the sites they are working at.

People restrictions, hours of work, conduct and records

It is very important that the **Contractor** keeps records of his people working on the Affected Property, should there be an incident during the execution of the *Service*; and *Service Manager* shall have access to these records at any given time.

Site *services* and facilities

Provided by the **Contractor**

This will be indicated on each Task Order issued where applicable.