



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 MINOR DISTRIBUTION WITHIN
GAUTENG CLUSTER**

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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 MINOR DISTRIBUTION WITHIN GAUTENG CLUSTER IN ORDER TO ESTABLISH MULTIPLE CONTRACTS ON 'AN AND WHEN REQUIRED' BASIS FOR A PERIOD OF 5 YEARS

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

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

Options A	The offered total of the Prices exclusive of VAT is	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

**Eskom Holdings SOC Limited
Megawatt Park,
No. 1 Maxwell Drive,
Sandton, Johannesburg**

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	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

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

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

For the tenderer:

For the Employer

Signature _____

Name _____

Capacity _____

On behalf of _____
(Insert name and address of organisation)

Eskom Holdings SOC Limited
Megawatt Park,
No. 1 Maxwell Drive,
Sandton, Johannesburg

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 Law
		X17: Low services damages
		X18: Limitation of liability
		X19: Task Order
		X20: Key Performance Indicators
		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):	{At Award Stage}
	Address	{At Award Stage}
	Tel	{At Award Stage}
	Fax	N/A
	e-mail	{At Award Stage}
11.2(2)	The Affected Property is	All sites in Gauteng Operating Unit (GOU)
11.2(13)	The <i>service</i> is	Provision of Security Services within Distribution Gauteng Operating Unit
11.2(14)	The following matters will be included in	

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

	the Risk Register	A risk register is to be compiled per project.
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 of the Contract Date
2	The Contractor's main responsibilities	Data required by this section of the core clauses is also provided by the Contractor in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data
21.1	The Contractor submits a first plan for acceptance within	1 week prior to the issue of a Task Order
3	Time	
30.1	The <i>starting date</i> is.	5 years
30.1	The <i>service period</i> is	5 years
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 completion of each Task Order or agreed intervals per project agreed to between the Contractor and the Project Manager.
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.
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	1. Loss and /or theft Eskom's Assets

		<p>2. Damage to Eskom property due to criminal activity</p> <p>3. Safety of Eskom staff and contractors due to criminal activity.</p>
83.1	The <i>Employer</i> provides these insurances from the Insurance Table	<p>as stated for in the Employer's Assets All Risk Insurance Policy subject to an Insurance deductible payable by the Contractor in the amount of:</p> <ul style="list-style-type: none"> • Refer to Annexure A of the Works Information
83.1	The <i>Employer</i> provides these additional insurances	<p>as stated for in the Employer's Assets All Risk Insurance Policy subject to an Insurance deductible payable by the Contractor in the amount of:</p> <ul style="list-style-type: none"> • Refer to Annexure A of the Works Information
83.1	The <i>Contractor</i> provides these additional insurances:	Public liability cover and COLD.
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	<p>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</p> <ul style="list-style-type: none"> • Refer to Annexure A of the Works Information
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	R500 000.00 (Five Hundred Thousand Rand).
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 service at intervals no longer than	4 week.
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 if the arbitration procedure does not state who selects an arbitrator, is	the Chairman for the time being or his nominee 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	The month before tender closing – To be updated upon contract award
	-	
	- 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 the prices will be adjusted by Contracts Management team for inflation using CPA. The relevant publications to be used are published by the Department of Labour.
		Rates will then be adjusted as follows:
		Labour rates 70% – SEIFSA Table C-3 for all hourly paid employees – 30% Fixed Portion
		Transport rates 70% – SEIFSA Table L-2 for road freight costs – 30% Fixed portion

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	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	The total of each Task Order for each project applicable to the loss.
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 <i>Employer's Assets All Risk Insurance Policy</i> subject to an Insurance deductible payable by the Contractor in the amount of : Refer to Annexure A of the Works Information
X18.3	The <i>Contractor's</i> liability for Defects due to his design of an item of Equipment is limited to	The greater of <ul style="list-style-type: none"> the total of the Prices of each applicable Task Order and 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 available as stated for in the <i>Employer's Assets All Risk Insurance Policy</i> 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.
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	the total of the Prices of each applicable Task Order other than for the additional excluded matters. The <i>Contractor's</i> total liability for the additional excluded matters is not limited. The additional excluded matters are amounts for which the <i>Contractor</i> is liable under this contract for: <ul style="list-style-type: none"> loss of or damage to property (other than the <i>Employer's</i> property, Plant and

		Materials), • 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 prior to receiving the Task Order
X20	Key Performance Indicators (not used when Option X12 applies)	•
X20.1	The <i>incentive schedule</i> for Key Performance Indicators is in	Annexure A1 to this Contract Data for KPI Table. Note: No financial incentive applies.
X20.2	A report of performance against each Key Performance Indicator is provided at intervals of	3 months
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,
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.

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*

Notes to a tendering contractor:

1. 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.
2. 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.
3. 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	10% 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:	
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:	

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

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	C2.2
11.2(19)	The tendered total of the Prices is	Rate-based

PART 2: PRICING DATA
TSC3 Option A

Document reference	Title	No of pages
C2.1	Pricing assumptions: Option A	5
C2.2	The <i>price list</i>	8

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 <i>price list</i> unless later changed in accordance with this contract. (17) The Price for Services Provided to Date is the total of <ul style="list-style-type: none">the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed andwhere 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.
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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;

- 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.

C2.2 the *price list*

Annexure 1

0				
Item	Reference Drawing	Description	Unit	Rate
A		Preliminaries & General		
	NOTE:	Programme Manager or Project Manager to authorise truck usage. Contractor to submit Invoice with a written task order from Programme Manager or Project Manager stating the duration of truck usage.		
		Every Invoice to be signed and verified by Quantity Surveyor for payment.		
		Contractor to submit list of names and certified ID copies of permanent staff that will be working on site.		
		Staff food and accomodation is for permanent staff only.		
A		Preliminaries & General		
1.1		PPE, Total Labour Value	%	
1.2		Risk Assessment Procedure, QM, Quality Management System, Health and Safety Specification, Environmental Plan, Safety Inspections, OHSA appointments, Non-Conformance Process to be available in office. (Once off payment per year contract after certification) Total Labour Value	%	
1.3		Overheads for project (This includes paperwork, office overheads, telephone calls etc) Total Labour Value	%	
1.4		Environmental Compliance & Site maintenance	%	
1.5		De-establishment & Rehabilitation of Site	Sum	
1.6		Responsible person (Supervisor)	Per/day	
1.7		Security (Cost +fee:Fee at 5%)	Month	
B		Pegging Out The Works		
1		MV Pegging - excl bush clearing and tree felling	km	
2		LV Pegging - excl bush clearing and tree felling	km	
3		Bush Clearing and Tree Felling Mild	m ²	
4		Bush Clearing and Tree Felling as per Enviromental requirements (Dens Formation)	m ²	
5		Bush Clearing and Tree Felling as per Enviromental requirements (Scatterd Formation)	m	
6		Wayleave Application		

C		Digging Holes		
1	D-DT-0350	LV Stay Back-Actor or Hand	Each	
2	D-DT-0350	LV Stay Compressors/ Auger	Each	
3	D-DT-0350	LV Strut Back-Actor or Hand	Each	
4	D-DT-0350	LV Strut Compressors/ Auger	Each	
5	D-DT-0350	MV Stay Back-Actor or Hand	Each	
6	D-DT-0350	MV Stay Compressors / Auger/ Hard Rock Drilling	Each	
7	D-DT-0350	MV Strut Back-Actor or Hand	Each	
8	D-DT-0350	MV Strut Compressors / Auger	Each	
9	D-DT-0350	2.5m X arm(Stubby Pole)	Each	
10	D-DT-0330	5m Pole Back-Actor or Hand (1.0m Deep)	Each	
11	D-DT-0330	5m Pole Compressors / Auger (1.0m Deep)	Each	
12	D-DT-0330	7m Pole Back-Actor or Hand (1.3m Deep)	Each	
13	D-DT-0330	7m Pole Compressors / Auger/ Hard Rock Drilling (1.3m Deep)	Each	
14	D-DT-0330	9m Pole Back-Actor or Hand (1.5m Deep)	Each	
15	D-DT-0330	9m Pole Compressors / Auger/ Hard Rock Drilling (1.5m Deep)	Each	
16	D-DT-0330	10m Pole Back-Actor or Hand (1.7m Deep)	Each	
17	D-DT-0330	10m Pole Compressors / Auger/ Hard Rock Drilling (1.7m Deep)	Each	
18	D-DT-0330	11m Pole/10m Concrete Pole Back-Actor or Hand (1.8m Deep)	Each	
19	D-DT-0330	11m Pole/10m Concrete Pole Compressors/ Hard Rock Drilling (1.8m Deep)	Each	
20	D-DT-0330	12m Pole Back-Actor or Hand (2.0m Deep)	Each	
21	D-DT-0330	12m Pole Compressors / Auger / Hard Rock Drilling(2m Deep)	Each	
22	D-DT-0330	13m - 16m Pole Back-Actor or Hand (2.2m Deep)	Each	
23	D-DT-0330	13m - 16m Pole Compressors / Auger / Hard Rock Drilling(2.2m Deep)	Each	
24	D-DT-0330	14m Concrete Pole Back-Actor or Hand (2.3m Deep)	Each	
25	D-DT-0330	14m Concrete Pole Compressors / Auger/ Hard Rock Drilling (2.3m Deep)	Each	
26	D-DT-0330	18m Pole Back-Actor or Hand (2.4m Deep)	Each	
27	D-DT-0330	18m Pole Compressors / Auger/ Hard Rock Drilling (2.4m Deep)	Each	
D		Plant Poles		
1		Wooden Poles		
1.1	D-DT-0058	X/ARM,POLE:140-159 MM;LG 2.5 M WOOD	Each	
1.2	D-DT-0058	5m Wooden Pole 80-100mm Top Diameter	Each	
1.3	D-DT-0050	7m Wooden Pole 100-120mm Top Diameter	Each	
1.4	D-DT-0050	7m Wooden Pole 120-139mm Top Diameter	Each	
1.5	D-DT-0055	9m Wooden Pole 140-159mm Top Diameter	Each	
1.6	D-DT-0055	9m Wooden Pole 160-179 mm Top Diameter	Each	
1.7	D-DT-0055	9m Wooden Pole 180-199mm Top Diameter	Each	

1.8	D-DT-0052	10m Wooden Pole 160-179mm Top Diameter H4	Each	
1.9	D-DT-0052	10m Wooden Pole 160-179mm Top Diameter H5	Each	
1.10	D-DT-0052	10m Wooden Pole 180-199mm Top Diameter H4	Each	
1.11	D-DT-0052	10m Wooden Pole 180-199mm Top Diameter H5	Each	
1.12	D-DT-0052	10m Wooden Pole 200-219mm Top Diameter H4	Each	
1.13	D-DT-0052	10m Wooden Pole 200-219mm Top Diameter H5	Each	
1.14	D-DT-0051	11m Wooden Pole 140-159mm Top Diameter H4	Each	
1.15	D-DT-0051	11m Wooden Pole 140-159mm Top Diameter 75MPA H4	Each	
1.16	D-DT-0051	11m Wooden Pole 140-159mm Top Diameter H5	Each	
1.17	D-DT-0051	11m Wooden Pole 140-159mm Top Diameter 75MPA H5	Each	
1.18	D-DT-0051	11m Wooden Pole 160-179mm Top Diameter H4	Each	
1.19	D-DT-0051	11m Wooden Pine Pole 160-179mm Top Diameter H4	Each	
1.20	D-DT-0051	11m Wooden Pole 180-199mm Top Diameter H4	Each	
1.21	D-DT-0051	11m Wooden Pole 200-219mm Top Diameter H4	Each	
1.22	D-DT-0053	12m Wooden Pole 160-179mm Top Diameter	Each	
1.23	D-DT-0053	12m Wooden Pine Pole 160-179mm Top Diameter	Each	
1.24	D-DT-0053	12m Wooden Pole 180-199mm Top Diameter	Each	
1.25	D-DT-0053	12m Wooden Pole 200-219mm Top Diameter	Each	
1.26	D-DT-0056	13m Wooden Pole 160-179mm Top Diameter H4	Each	
1.27	D-DT-0056	13m Wooden Pole 160-179mm Top Diameter H5	Each	
1.28	D-DT-0056	13m Wooden Pole 180-199mm Top Diameter H4	Each	
1.29	D-DT-0056	13m Wooden Pole 180-199mm Top Diameter H5	Each	
1.30	D-DT-0056	13m Wooden Pole 200-219mm Top Diameter H4	Each	
1.31	D-DT-0056	13m Wooden Pole 200-219mm Top Diameter H5	Each	
1.32	D-DT-0054	14m Wooden Pole 160-179mm Top Diameter H4	Each	
1.33	D-DT-0054	14m Wooden Pole 160-179mm Top Diameter H5	Each	
1.34	D-DT-0054	14m Wooden Pole 180-199mm Top Diameter H4	Each	
1.35	D-DT-0054	14m Wooden Pole 180-199mm Top Diameter H5	Each	
1.36	D-DT-0054	14m Wooden Pole 200-219mm Top Diameter H4	Each	
1.37	D-DT-0054	14m Wooden Pole 200-219mm Top Diameter H5	Each	
1.38	D-DT-0057	15m Wooden Pole 200-219mm Top Diameter	Each	
1.39	D-DT-0049	16m Wooden Pole 180-199mm Top Diameter	Each	
1.40	D-DT-0049	16m Wooden Pole 200-219mm Top Diameter	Each	
1.41	D-DT-0048	18m Wooden Pole 180-199mm Top Diameter	Each	
1.42	D-DT-0048	18m Wooden Pole 200-219mm Top Diameter	Each	
		Pole Handling Fee	Each	
2		Concrete Poles		
2.1	D-DT-0001	4m Concrete Pole 1kN	Each	
2.2	D-DT-0002	7m Concrete Pole 4kN	Each	
2.3	D-DT-0003	9m Concrete Pole 4kN	Each	
2.4	D-DT-0004	10m Concrete Pole 6kN	Each	
2.5	D-DT-0005	10m Concrete Pole 8kN	Each	
2.6	D-DT-0006	11m Concrete Pole 6kN	Each	
2.7	D-DT-0007	12m Concrete Pole 8kN	Each	
2.8	D-DT-0010	4.5m Spun Concrete Pole Street Lighting	Each	

2.9	D-DT-0011	5.7m Spun Concrete Pole Street Lighting	Each	
2.10	D-DT-0012	7.2m Spun Concrete Pole Street Lighting	Each	
2.11	D-DT-0013	8.4m Spun Concrete Pole Street Lighting	Each	
2.12	D-DT-0014	9.1m Spun Concrete Pole Street Lighting	Each	
2.13	D-DT-0017	11m Concrete Pole 10kN Ultimate Load	Each	
2.14	D-DT-0015	12m Concrete Pole 10kN Ultimate Load	Each	
2.15	D-DT-0016	13m Concrete Pole 10kN Ultimate Load	Each	
2.16	D-DT-0018	14m Concrete Pole 10kN Ultimate Load	Each	
2.17		Pole Handling Fee	Each	
3		Steel Poles		
3.1	D-DT-0020	8.740m Steel Pole Street Lighting	Each	
3.2	D-DT-0021	10.00m Steel Pole Street Lighting	Each	
3.3	D-DT-0022	11.35m Steel Pole Street Lighting	Each	
3.4	D-DT-0023	14.00m Steel Pole Street Lighting	Each	
3.5	D-DT-0024	15.00m Steel Pole Street Lighting	Each	
3.6	D-DT-0069	11.00m Steel Pole 11kV Intermediate Street Lighting	Each	
3.7	D-DT-0068	15.55m Steel Pole 11kV Intermediate Street Lighting	Each	
3.8	D-DT-0025	7m Steel Pole 194 x 92 Oval Cross Section	Each	
3.9	D-DT-0026	9m Steel Pole 194 x 92 Oval Cross Section	Each	
3.10	D-DT-0027	10m Steel Pole 236 x 118 Oval Cross Section	Each	
3.11	D-DT-0028	11m Steel Pole 236 x 118 Oval Cross Section	Each	
3.12	D-DT-7104	21m Steel Pole 132 KV 3 Pole 0-90	Each	
3.13	D-DT-7104	20m Steel Pole 132 KV 3 Pole 0-90	Each	
3.14	D-DT-7104	24m Steel Pole 132 KV 3 Pole 0-90	Each	
3.15	D-DT-7101	20m Steel Pole 132 KV SUSP 23kN	Each	
3.16	D-DT-7101	24m Steel Pole 132 KV SUSP 23kN	Each	
3.17		Pole Handling Fee	Each	
E		Assemble MV Structures		
1		Dual Phase (Descriptions below to be as per the applicable D-DT drawing)		
1.1	D-DT-1300	Intermediate - 0 deg	Each	
1.2	D-DT-1301	Intermediate - (0 - 10) deg	Each	
1.3	D-DT-1302	Intermediate - (15 - 30) deg	Each	
1.4	D-DT-1303	Strainer - 0 deg	Each	
1.5	D-DT-1304	Strainer - Small (1 - 30) deg	Each	
1.6	D-DT-1305	Strainer - Large (31 - 90) deg	Each	
1.8	D-DT-1306	Strainer - Terminal	Each	
2		Take-Off	Each	
2.1	D-DT-1810	TAKE-OFF - VERTICAL 450mm SPACING	Each	
2.2	D-DT-1811	TAKE-OFF - VERTICAL 600mm SPACING	Each	
2.3	D-DT-1813	TAKE-OFF - DELTA / 1.3m STEEL CROSSARM	Each	
2.4	D-DT-1814	TAKE-OFF - 2.5m WOODEN CROSSARM	Each	
2.5	D-DT-1815	TAKE-OFF - 2 x 2.5m WOODEN CROSSARM	Each	
2.6	D-DT-1816	TAKE-OFF - H-POLE 3.5m WOODEN CROSSARM	Each	

2.7	D-DT-1817	TAKE-OFF - H-POLE 2 x 3.5m WOODEN CROSSARM	Each	
2.8	D-DT-1818	TAKE-OFF - 1.7m STEEL CROSSARM (FOX)	Each	
2.9	D-DT-1819	TAKE-OFF - 1.7m STEEL CROSSARM (HARE)	Each	
3		Three Phase (Descriptions below to be as per the applicable D-DT drawing)		
3.1	D-DT-1700	Intermediate - staggered vertical 450mm spacing 0 deg	Each	
3.2	D-DT-1710	Intermediate - staggered vertical 600mm spacing 0 deg	Each	
3.3	D-DT-1720	Intermediate - Delta(450mm stud) 0 deg	Each	
3.4	D-DT-1730	Intermediate - Delta('T' Crossarm) 0 deg	Each	
3.5	D-DT-1740	Intermediate - Delta(2.5m Crossarm) 0 deg	Each	
3.6	D-DT-1750	Intermediate - Delta(4.5m Crossarm) 0 deg	Each	
3.7	D-DT-1760	Intermediate - Delta (3.5m Crossarm) 0 deg	Each	
3.8	D-DT-1770	Intermediate - H-pole (4.5m Crossarm) 0 deg	Each	
3.9	D-DT-1785	MV heavy conductor 22kV 3 ph vertical 800mm o deg wood & concrete poles	Each	
3.10	D-DT-1790	MV heavy conductor 3 ph Delta(3500mm wood crosarm 0 deg	Each	
3.11	D-DT-1870	Three Phase T-Frame / 2m Steel Crossarm	Each	
4		Intermediate - (0 - 10) deg		
4.1	D-DT-1701	3 Phase - Vertical (450mm Spacing)	Each	
4.2	D-DT-1711	3 Phase - Vertical (600mm Spacing)	Each	
4.3	D-DT-1771	3 Phase - H-Pole / 4,5m Wood Crossarm	Each	
4.4	D-DT-1871	Three Phase T-Frame / 2m Steel Crossarm	Each	
5		Strainer - 0 deg		
5.1	D-DT-1703	3 Phase - Vertical (450mm Spacing)	Each	
5.2	D-DT-1713	3 Phase - Vertical (600mm Spacing)	Each	
5.3	D-DT-1733	3 Phase - Delta / 1,3m Steel Crossarm	Each	
5.4	D-DT-1743	3 Phase - 600mm Phase Spacing Delta / 2,5m Wood Crossarm	Each	
5.5	D-DT-1747	3 Phase - 600mm Phase Spacing Delta / 2 x 2,5m Wood Crossarm	Each	
5.6	D-DT-1747	3 Phase - 800mm Phase Spacing Delta / 2 x 2,5m Wood Crossarm	Each	
5.7	D-DT-1753	3 Phase - Delta / 4,5m Wood Crossarm	Each	
5.8	D-DT-1763	3 Phase - Delta / 3,5m Wood Crossarm	Each	
5.9	D-DT-1767	3 Phase - H-Pole / 2 x 3,5m Wood Crossarm	Each	
5.10	D-DT-1773	3 Phase - H-Pole / 4,5m Wood Crossarm	Each	
5.11	D-DT-1777	3 Phase - H-Pole / 2 x 4,5m Wood Crossarm	Each	
5.12	D-DT-1783	3 Phase - Trips	Each	
5.13	D-DT-1786	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing	Each	

5.14	D-DT-1794	MV Heavy Conductor - 22kV H-Pole Braced	Each	
	-			
6		Strainer - Small (1 - 30) deg		
6.1	D-DT-1704	3 Phase - Vertical (450mm Spacing)	Each	
6.2	D-DT-1714	3 Phase - Vertical (600mm Spacing)	Each	
6.3	D-DT-1734	3 Phase - Delta / 1,3m Steel Crossarm	Each	
6.4	D-DT-1787	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing	Each	
	-			
7		Strainer - Medium (1 - 60) deg		
7.1	D-DT-1744	3 Phase - Delta / 2,5m Wood Crossarm	Each	
7.2	D-DT-1748	3 Phase - Delta / 2 x 2,5m Wood Crossarm	Each	
7.3	D-DT-1754	3 Phase - Delta / 4,5m Wood Crossarm	Each	
7.4	D-DT-1754	3 Phase - Delta / 2 x 4,5m Wood Crossarm	Each	
7.5	D-DT-1764	3 Phase - H-Pole / 3,5m Wood Crossarm	Each	
7.6	D-DT-1768	3 Phase - Pole / 2 x 3,5m Wood Crossarm	Each	
7.7	D-DT-1774	3 Phase - H-Pole / 4,5m Wood Crossarm	Each	
7.8	D-DT-1778	3 Phase - Pole / 2 x 4,5m Wood Crossarm	Each	
7.9	D-DT-1795	MV Heavy Conductor - 22kV H-Pole Braced	Each	
	-			
8		Strainer - Large (61- 90) deg		
8.1	D-DT-1705	3 Phase - Vertical (450mm Spacing)	Each	
8.2	D-DT-1715	3 Phase - Vertical (600mm Spacing)	Each	
8.3	D-DT-1735	3 Phase - Delta / 1,3m Steel Crossarm	Each	
8.4	D-DT-1742	3 Phase - Delta 2,5m Wood Crossarm / 1700 Steel Crossarm	Each	
8.5	D-DT-1742	3 Phase - Delta 2,5m Wood Crossarm / 2,5m Wood Crossarm	Each	
8.6	D-DT-1745	3 Phase - Delta 2 x 2,5m Wood Crossarm / 1700 Steel Crossarm	Each	
8.7	D-DT-1745	3 Phase - Delta 2 x 2,5m Wood Crossarm / 2 x 2,5m Wood Crossarm	Each	
8.8	D-DT-1745	3 Phase - Delta 1 x 2,5m Wood Crossarm / 1700 Steel Crossarm	Each	
8.9	D-DT-1745	3 Phase - Delta 2,5m Wood Crossarm 2,5m Wood Crossarm	Each	
8.10	D-DT-1784	3 Phase - Trips	Each	
8.11	D-DT-1788	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing	Each	
8.12	D-DT-1791	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing (Double Wood Poles)	Each	
8.13	D-DT-1792	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing (Double Wood Poles)	Each	
8.14	D-DT-1873	3 Phase - H-Pole / 2 x 4.5m Wooden Crossarm	Each	
	-			
9		Strainer - Terminal		
9.1	D-DT-1706	3 Phase - Vertical (450mm Spacing)	Each	
9.2	D-DT-1716	3 Phase - Vertical (600mm Spacing)	Each	
9.3	D-DT-1736	3 Phase - Delta / 1,3m Steel Crossarm	Each	

9.4	D-DT-1746	3 Phase - Delta / 2,5M Wood Crossarm	Each	
9.5	D-DT-1749	3 Phase - Delta / 2 x 2,5m Wood Crossarm	Each	
9.6	D-DT-1756	3 Phase - Delta / 4,5M Wood Crossarm	Each	
9.7	D-DT-1766	3 Phase - H-pole / 3,5m Wood Crossarm	Each	
9.8	D-DT-1769	3 Phase - H-pole / 2 x 3,5m Wood Crossarm	Each	
9.9	D-DT-1776	3 Phase - H-pole / 4,5m Wood Crossarm	Each	
9.10	D-DT-1779	3 Phase - H-pole / 2 x 4,5m Wood Crossarm	Each	
9.11	D-DT-1789	MV Heavy Conductor - 22kV 3 Phase - Vertical 800mm Spacing	Each	
9.12	D-DT-1796	MV Heavy Conductor - 22kV H-Pole Braced	Each	
10		Take-Off	Each	
10.1	D-DT-1800	3 Phase Take-Off - Vertical (450mm Spacing)	Each	
10.2	D-DT-1801	3 Phase Take-Off - Vertical (600mm Spacing)	Each	
10.3	D-DT-1803	3 Phase Take-Off - Delta / 1.3m Steel Crossarm	Each	
10.4	D-DT-1804	3 Phase Take-Of - 2,5M Wooden Crossarm	Each	
10.5	D-DT-1805	3 Phase Take-Of - 2 x 2,5M Wooden Crossarm	Each	
10.6	D-DT-1806	3 Phase Take-Of - H-Pole 3,5M Wooden Crossarm	Each	
10.7	D-DT-1807	3 Phase Take-Of - H-Pole 2 x 3,5M Wooden Crossarm	Each	
10.8	D-DT-1808	3 Phase Take-Off - 1.7m Steel Crossarm (Fox)	Each	
10.9	D-DT-1809	3 Phase Take-Off - 1.7m Steel Crossarm (Hare)	Each	
11		Insulation Coordination		
11.1	D-DT-0310	Install Bonding	Each	
11.2	D-DT-0310	Install BIL Downwire	Each	
F		Assemble MV Stays		
1	D-DT-0341	Make-Off Conventional Stay	Each	
2	D-DT-0343	Make-Off Flying Stay	Each	
3	D-DT-0351	Make-Off Strut Pole 9m & 11m	Each	
4	D-DT-0357	1 Off rock anchor	Each	
5		1 Off comb anchor/strut	Each	
G		Assemble LV Structures		
1		Single Phase		
1.1	D-DT-1153	Intermediate - 0 deg	Each	
1.2	D-DT-1155	Strainer - Medium (0 - 60) deg	Each	
1.3	D-DT-1156	Strainer - Large (60 - 90) deg	Each	
1.4	D-DT-1154	Strainer - Terminal	Each	
1.5	D-DT-1157	Take-Off From Intermediate	Each	
1.6	D-DT-1158	Cross - Intermediate - Intermediate	Each	
1.7	D-DT-1160	Cross - Intermediate - Strainer	Each	
1.8	D-DT-1159	Take-Off From Strainer	Each	
2		Dual Phase (Descriptions below to be as per the applicable D-DT drawing)		
2.1	D-DT-1153	Intermediate - 0 deg	Each	
2.2	D-DT-1147	Strainer - Medium (0 - 60) deg	Each	

2.3	D-DT-1148	Strainer - Large (60 - 90) deg	Each	
2.4	D-DT-1154	Strainer - Terminal	Each	
2.5	D-DT-1149	Take-Off From Intermediate	Each	
2.6	D-DT-1150	Cross - Intermediate - Intermediate	Each	
2.7	D-DT-1152	Cross - Intermediate - Strainer	Each	
2.8	D-DT-1151	Take-Off From Strainer	Each	
3		Three Phase		
3.1	D-DT-1100	Intermediate - 0 deg	Each	
3.2	D-DT-1121	Strainer - Medium (0 - 60) deg	Each	
3.3	D-DT-1122	Strainer - Large (60 - 90) deg	Each	
3.4	D-DT-1120	Strainer - Terminal	Each	
3.5	D-DT-1140	Take-Off From Intermediate	Each	
3.6	D-DT-1141	Cross - Intermediate - Intermediate	Each	
3.7	D-DT-1143	Cross - Intermediate - Strainer	Each	
3.8	D-DT-1142	Take-Off From Strainer	Each	
H		Assemble LV Stays		
1	D-DT-0341	Make-Off Conventional Stay	Each	
2	D-DT-0343	Make-Off Flying Stay	Each	
3	D-DT-0351	Make-Off Strut Pole	Each	
4	D-DT-0357	1 Off rock anchor	Each	
5		1 Off comb anchor/strut	Each	
I		Pole Top Boxes Installation		
1	D-DT-0363	BOX,POLE TOP DIST 2-WAY 50A D3055	Each	
2	D-DT-0363	BOX,POLE TOP DIST 4-WAY 120A D3055	Each	
3	D-DT-0363	BOX,POLE TOP DIST 4-WAY 50A D3055	Each	
4	D-DT-0363	BOX,POLE TOP DIST 8-WAY 50A D3055	Each	
5	D-DT-3055	BOX,POLE TOP SPLIT METER 2-WAY 50A D3055	Each	
6	D-DT-3055	BOX,POLE TOP SPLIT METER 2-WAY 120A D3055	Each	
7	D-DT-3055	BOX,POLE TOP SPLIT METER 4-WAY 50A D3055	Each	
8	D-DT-3055	BOX,POLE TOP SPLIT METER 4-WAY 120A D3055	Each	
9	D-DT-3055	BOX,POLE TOP SPLIT METER 6-WAY 50A D3055	Each	
10	D-DT-3055	BOX,POLE TOP SPLIT METER 6-WAY 120A D3055	Each	
11	D-DT-3055	BOX,POLE TOP SPLIT METER 8-WAY 50A D3055	Each	
12	D-DT-3236	KIOSK METER:1PH ;2 WAY PREPAY ;EMPTY	Each	
13		Energy Management Units (Split-Metering)	Each	
J		Conductor Stringing (Tension, Regulate and Bind in)		
1		Fox Conductor	m	
2		Fox Full Tension Joint	Each	
3		Mink Conductor	m	

4		Mink Full Tension Joint	Each	
5		Hare Conductor	m	
6		Hare Full Tension Joint	Each	
7		Chickadee Conductor	m	
8		Chickadee Full Tension Joint	Each	
9		Kingbird Conductor	m	
10		Kingbird Full Tension Joint	Each	
11		35 mm sq ABC 1-Phase	m	
12		35 mm sq ABC 2-Phase	m	
13		35 mm sq ABC 3-Phase	m	
14	D-DT-0300	35mm sq Full Tension Joint	Each	
15		70 mm sq ABC 1-Phase	m	
16		70 mm sq ABC 2-Phase	m	
17		70 mm sq ABC 3-Phase	m	
18	D-DT-0300	70mm sq Full Tension Joint	Each	
K		Equipment Installation		
1		Transformers		
1.1	D-DT-1862	315/400/500kVA x 3-Phase - Relocate	Each	
1.2	D-DT-1862	315/400/500kVA x 3-Phase - New	Each	
1.3	D-DT-1863	200kVA x 3-Phase - Relocate	Each	
1.4	D-DT-1863	200kVA x 3-Phase - New	Each	
1.6	D-DT-1863	100kVA x 3-Phase - Relocate	Each	
1.7	D-DT-1863	100kVA x 3-Phase - New	Each	
1.8	D-DT-1860	50kVA x 3-Phase - Relocate	Each	
1.9	D-DT-1860	50kVA x 3-Phase - New	Each	
1.11	D-DT-1860	25kVA x 3-Phase - Relocate	Each	
1.12	D-DT-1860	25kVA x 3-Phase - New	Each	
1.14	D-DT-1860	32kVA x 2-Phase - Relocate	Each	
1.15	D-DT-1860	32kVA x 2-Phase - New	Each	
1.16	D-DT-1860	16kVA x 1-Phase - Relocate	Each	
1.17	D-DT-1860	16kVA x 1-Phase - New	Each	
2		Transformer MV Protection		
2.1	D-DT-1849	Install Equipment Links - Drop Out Fuses (2-phase)	Each	
2.2	D-DT-1849	Install Equipment Links - Drop Out Fuses (3-phase)	Each	
2.3	D-DT-0261	Install Surge Arresters (2-phase)	Each	
2.4	D-DT-0261	Install Surge Arresters (3-phase)	Each	
2.5		Supply and Install Labels	Each	
3		Transformer LV Protection		
3.1	D-DT-0309	63A Morsdorf Type Fuse - 1-Phase	Each	
3.2	D-DT-0309	63A Morsdorf Type Fuse - 2-Phase	Each	
3.3	D-DT-0309	80A Morsdorf Type Fuse - 1-Phase	Each	
3.4	D-DT-0309	80A Morsdorf Type Fuses - 2-Phase	Each	
3.5	D-DT-0309	80A Morsdorf Type Fuses - 3-Phase	Each	

3.6	D-DT-0309	125A Morsdorf Type Fuses - 3-Phase	Each	
3.7	D-DT-0309	160A Morsdorf Type Fuses - 3-Phase	Each	
3.8	D-DT-3034	150A MCCB - 3-Phase	Each	
3.9	D-DT-3034	225A MCCB - 3-Phase	Each	
3.10	D-DT-3034	250A MCCB - 3-Phase		
3.11	D-DT-3034	300A MCCB - 3-Phase	Each	
3.12	D-DT-3034	350A MCCB - 3-Phase	Each	
3.13	D-DT-3034	450A MCCB - 3-Phase	Each	
3.14	D-DT-3034	600A MCCB - 3-Phase	Each	
3.15		Supply and Install Labels (Chromadek)	Each	
4		Pole Mounted Sectionaliser		
4.1	D-DT-1821	Install Sectionaliser	Each	
4.2	D-DT-1852	Install Bypass Links	Each	
4.3	D-DT-1852	Install Equipment Links	Each	
4.4	D-DT-0261	Install Surge Arresters	Each	
4.5		Supply and Install Labels (Chromadek)	Each	
5		Pole Mounted Recloser		
5.1	D-DT-1825	Install Recloser	Each	
5.2	D-DT-1829	Install 5 Pole Recloser	Each	
	D-DT-1848	Section Links Cut/Outs Or Disconnectors 2.5m Wood Crossarm / Single Pole	Each	
5.3	D-DT-1852	Install Bypass Links	Each	
5.4	D-DT-1853	Install Equipment Links	Each	
	D-DT-1854	Equipment Isolating (In-Out) Links - Cut-Outs Or Disconnectors - 4.5m Wood Crossarm / Out-Of-Line	Each	
5.5	D-DT-0270	Auxiliary Transformer	Each	
5.6	D-DT-0261	Install Surge Arresters	Each	
5.7		Supply and Install Labels (Chromadek)	Each	
6		Voltage Regulator		
6.1	D-DT-1830	Install Voltage Regulator	Each	
6.2	D-DT-1852	Install Bypass Links	Each	
6.3	D-DT-1851	Install Equipment Links	Each	
6.4	D-DT-0261	Install Surge Arresters	Each	
6.5		Supply and Install Labels (Chromadek)	Each	
7		Pole Mounted CT-VT Unit		
7.1	D-DT-1840	Install CT-VT Unit	Each	
7.2	D-DT-1852	Install Bypass Links	Each	
7.3	D-DT-1852	Install Equipment Links	Each	
7.4	D-DT-0261	Install Surge Arresters	Each	
7.5		Supply and Install Labels (Chromadek)	Each	
8		Pole Mounted Shunt Capacitor Banks		
8.1	D-DT-1832	Install Capacity Bank	Each	
8.2	D-DT-1852	Install Equipment Links	Each	

8.3	D-DT-0261	Install Surge Arresters	Each	
8.4		Supply and Install Labels (Chromadek)	Each	
9		Line Arrester		
9.1	D-DT-1852	Install Equipment Links	Each	
9.2	D-DT-0261	Install Surge Arresters	Each	
9.3		Supply and Install Labels(Chromadek)	Each	
10		Sectional Links		
10.1	D-DT-1825	Install Sectional Links - 2-Phase	Each	
10.2	D-DT-1825	Install Sectional Links - 3-Phase	Each	
10.3	D-DT-1825	Install Load Break Switch	Each	
10.4		Supply and Install Labels (Chromadek)	Each	
11		Miniature Substation		
11.1	-	Prepare Site Including Excavation and Compaction for Pre-Cast Plinth	m ²	
11.2	D-DT-0859	Install Pre-Cast Plinth	Each	
11.3	D-DT-8050	Install Miniature Substation 11kV Type B	Each	
11.4	D-DT-8051	Install Miniature Substation 22kV Type B	Each	
11.5	D-DT-8052	Install Miniature Substation 11kV Type A	Each	
12	D-DT-8053	Install Miniature Substation 22kV Type A	Each	
12.2	D-DT-3034	Install a 150A MCCB, including 3 x flex cable jumpers	Each	
12.3	D-DT-3034	Install a 225A MCCB, including 3 x flex cable jumpers	Each	
12.4	D-DT-3034	Install a 250A MCCB, including 3 x flex cable jumpers		
12.5	D-DT-3034	Install a 300A MCCB, including 3 x flex cable jumpers	Each	
12.6	D-DT-3034	Install a 350A MCCB, including 3 x flex cable jumpers	Each	
12.7	D-DT-3034	Install a 600A MCCB, including 3 x flex cable jumpers	Each	
12.8	D-DT-3034	Install a 800A MCCB, including 3 x flex cable jumpers	Each	
12.9		Supply and Install Vernon Proofing	Each	
12.10	D-DT-8029	Install sealant	Per Mini Sub	
12.11	-	Stencelling on the Door	p/letter	
12.12		Supply and Install Labels	Each	
13		Ring Main Unit		
13.1		Prepare Site Including Excavation and Compaction for Pre-Cast Plinth	m ²	
13.2	D-DT-0863	Install Pre-Cast Plinth	Each	
13.3	D-DT-8060	Install Ring Main Unit	Each	
13.4		Vernon Proofing	Each	

13.5	-	Stenciling	p/letter	
13.6	-	Install Labels	Each	
L		Ground Mounted CT-VT Unit		
1	-	Prepare Site Including Excavation and Compaction for Pre-Cast Plinth	m ²	
1.1	D-DT-0865	Install Pre-Cast Plinth	Each	
1.2	D-DT-0865	Install CT-VT Unit	Each	
1.3		Vernon Proofing	Each	
1.4		Stenciling	p/letter	
1.5		Install Labels	Each	
2		Ground Mounted Meter Kiosk		
2.1	-	Prepare Site Including Excavation and Compaction for Pre-Cast Plinth	m ²	
2.2	-	Install Pre-Cast Plinth	Each	
2.3	D-DT-0865	Install LPU Meter Kiosk	Each	
2.4	D-DT-3236	16 - 50 KVA Kiosk	Each	
2.5	D-DT-3236	100 KVA Kiosk	Each	
2.6	D-DT-3236	200 KVA Kiosk	Each	
2.7	D-DT-3236	315 KVA Kiosk	Each	
2.8	D-DT-3236	500 KVA Kiosk	Each	
2.9	-	Energy Management Units (Meter)	Each	
2.10	-	Vernon Proofing	Each	
2.11	-	Stenciling	p/letter	
2.12		Install Labels	Each	
3		Meter Kiosk(Only For High Risk Areas)		
3.1	-	Prepare Site Including Excavation and Compaction for Pre-Cast Plinth	m ²	
3.2	D-DT-0865	Install Pre-Cast Plinth	Each	
3.3	D-DT-0865	Install LPU Meter Kiosk	Each	
3.4	D-DT-3236	4 Way High Risk Steel Kiosk	Each	
3.5	D-DT-3236	6 Way High Risk Steel Kiosk	Each	
3.6	D-DT-3236	8 Way High Risk Steel Kiosk	Each	
3.7	D-DT-3236	12 Way High Risk Steel Kiosk	Each	
3.8	-	Energy Management Units (Meter)	Each	
3.9	-	Vernon Proofing	Each	
3.10	-	Stenciling	p/letter	
3.11		Install Labels	Each	
M		Earthing Installation		
1		Transformer - MV Earthing		
1.1		Excavation - length long, 0.5m deep and 0.6m wide	m ³	
1.2	D-DT-3139	16mm sq Bare Stranded Cu Conductor	m	
1.3	D-DT-3137	16mm sq Insulated Stranded Cu Conductor	m	
1.4	D-DT-3091	Earth Electrode (Type as per the design)	Each	

1.5		Backfill&compact excavation	m ³	
2		Transformer - LV Earthing		
2.1		Excavation - length long, 0.5m deep and 0.6m wide	m ³	
2.2	D-DT-3139	16mm sq Bare Stranded Cu Conductor	m	
2.3	D-DT-3137	16mm sq Insulated Stranded Cu Conductor	m	
2.4	D-DT-3091	Earth Electrode (Type as per the design)	Each	
2.5		Backfill&compact excavation	m ³	
3		Other Overhead System Equipment Earthing - Capacitor Bank / CV-VT Unit / Line Arrester / Recloser / Sectionalizer / Voltage Regulator		
3.1		Excavation - length long, 0.5m deep and 0.6m wide	m ³	
3.2	D-DT-3139	16mm sq Bare Stranded Cu Conductor	m	
3.3	D-DT-3137	16mm sq Insulated Stranded Cu Conductor	m	
3.4	D-DT-3091	Earth Electrode (Type as per the design)	Each	
3.5		Backfill&compact excavation	m ³	
4		Other Underground System Equipment Earthing - Miniature Substation / Ring Main Unit / CV-VT Unit		
4.1		Excavation - length long, 0.5m deep and 0.6m wide	m ³	
4.2	D-DT-3139	16mm sq Bare Stranded Cu Conductor	m	
4.3	D-DT-3137	16mm sq Insulated Stranded Cu Conductor	m	
4.4	D-DT-3091	Earth Electrode (Type as per the design)	Each	
4.5		Backfill&compact excavation	m ³	
N		Service Connection Installation		
1		Overhead Service Connection	Each	
1.1		4mm sq Airdac	m	
1.2		6mm sq Airdac	m	
1.3		10mm sq Airdac	m	
1.4		10mm sq Airdac with Communication Core	m	
1.5		Attach Airdac to Service/Shack Pole	Each	
1.6		Supply and place 25mm Conduit LDPE Pipe	Each	
2		Underground Service Connection	Each	
2.1		Supply and place 25mm Conduit LDPE Pipe	Each	
2.2		Excavation - 0.75m Deep and 0.45 Wide	m ³	
2.3		Backfill&compact excavation	m ³	
3		Installation of Non Split Metering		
3.1		ECU base, fixing rails and plug	Each	
3.2		20A ECU (internal ELPU)Wall Mounted	Each	
3.3		20A ECU (internal ELPU) Pole Mounted	Each	
3.4		60A ED (no internal ELPU)Wall Mounted	Each	
3.5		60A ED (no internal ELPU)Pole Mounted	Each	

3.6		Sealing of meters	Each	
3.7		Additional 63A circuit breaker	Each	
3.8		Ready Board	Each	
3.9		Meter Box	Each	
3.10		Customer Interface Unit(CIU)	Each	
3.11		Smart Meter Wall Mounted	Each	
3.12		Smart Meter Pole Mounted	Each	
3.13		Data Concentrator	Each	
3.14		Antennae	Each	
3.15	D-DT-0338	3 Phase 25Kva pre paid meter Wall and Ground Mounted	Each	
3.16	D-DT-0338	3 Phase 25Kva pre paid meter Pole Mounted	Each	
3.17	D-DT-0338	3 Phase 50Kva pre paid meter Wall and Ground Mounted	Each	
3.18	D-DT-0338	3 Phase 50Kva pre paid meter Pole Mounted	Each	
3.19		Installation of 40A and 80A cb	Each	
0		Underground Cable Installation		
1		Trenching MV Cable		
1.1	D-DT-0854	Excavation - General Trench - length Long, 1.0m Deep and 0.45m Wide	m ³	
1.2	D-DT-0854	Excavation - Rail/Road Crossing Trench - length Long, 1.6m Deep and 0.45m Wide	m ³	
1.3	D-DT-0854	Excavation - Along The Road Trench - length Long, 1.3m Deep and 0.45m Wide	m ³	
1.4		Install barricading as per construction regulation	m	
1.5		Install shoring	m	
2		Trenching LV Cable		
2.1	D-DT-0854	Excavation - General Trench - length Long, 0.75m Deep and 0.45m Wide	m ³	
2.2	D-DT-0854	Excavation - Along The Road Trench - length Long, 1.05m Deep and 0.45m Wide	m ³	
2.3	D-DT-0854	Excavation - Road Crossing Trench - length Long, 1.350m Deep and 0.45m Wide	m ³	
2.4		Install barricading as per construction regulation	m	
3		Tar Road Crossing / Gravel Road		
3.1		Directional Drilling -Sleeves supplied and install by contractor	m	
3.2		Excavate Start and End pits	m ³	
3.3		Bulleting --Sleeves supplied and install by contractor	m	
3.4		Scanning for Services	m	
3.5		Install appropriate sleeves normal trench, drive way and gravel road and Eskom to supply the sleeves	m	
4		Compacting Bedding Soil		

4.1	D-DT-0854	Sifted Soil - length Long, 0.15m High and 0.45m Wide	m ³	
4.2	D-DT-0854	Imported Soil - length Long, 0.15m High and 0.45m Wide (including Cost of Imported Soil)	m ³	
4.3	D-DT-0854	Disposal of Excess Soil to Certified Disposal Yard	m ³	
5		Laying of Cable		
5.1	D-DT-0854	Laying of 3-Core 95mm sq MV Cable	m	
5.2	D-DT-0854	Laying of 3-Core 185mm sq MV Cable	m	
5.3	D-DT-0854	Laying of 3-Core 300mm sq MV Cable	m	
5.4	D-DT-0854	Laying of 4-Core 16mm sq LV Cable	m	
5.5	D-DT-0854	Laying of 4-Core 25mm sq LV Cable	m	
5.6	D-DT-0854	Laying of 4-Core 35mm sq LV Cable	m	
5.7	D-DT-0854	Laying of 4-Core 70mm sq LV Cable	m	
5.8	D-DT-0854	Laying of 4-Core 120mm sq LV Cable	m	
5.9	D-DT-0854	Laying of 4-Core 150mm sq LV Cable	m	
5.10	D-DT-0854	Laying of 4-Core 185mm sq LV Cable	m	
5.11	D-DT-0854	Laying of 12-Core 2.5mm sq LV Metering Cable	m	
6		Compacting Blanket Soil		
6.1	D-DT-0854	Sifted Soil - length Long, 0.25m High and 0.45m Wide	m ³	
6.2	D-DT-0854	Imported Soil - length Long, 0.25m High and 0.45m Wide (including Cost of Imported Soil)	m ³	
6.3		Disposal of Excess Soil to Certified Disposal Yard	m ³	
7		Backfilling of the Cable Trench		
7.1	D-DT-0854	General Trench - length Long, 0.6m High and 0.45m Wide	m ³	
7.2	D-DT-0854	Rail/Road Crossing Trench - length Long, 1.2m High and 0.45m Wide	m ³	
7.3	D-DT-0854	Along The Road Trench - length Long, 0.9m High and 0.45m Wide	m ³	
7.4	D-DT-0854	Install of Pre Cast Concrete Slabs supplied by Eskom	Each	
7.5		Laying of Warning Tape	m	
7.6	D-DT-8012	Installation of Cable Route Markers	Each	
7.7		Barricading of excavation with safety net including fixing poles	m	
7.8		Removal of existing surfaces and Re-instatement of surfaces including disposal where required		
7.8.1		(a)Tar	m ²	
7.8.2		(b)Paving	m ²	
7.8.3		(c)Cement	m ²	
7.8.4		(d)Gardens	m ²	
7.8.5		(e)Supply and backfill trench with ready mix concrete	m ³	

P		Cable Termination		
1		Cable Termination Onto Air-Filled Cable Termination Enclosure(Making-off of all cores = each)		
1.1		Install 2-Core 16mm sq LV Bare Termination	Each	
1.2		Install 4-Core 16mm sq LV Bare Termination	Each	
1.3		Install 4-Core 25mm sq LV Bare Termination	Each	
1.4		Install 4-Core 70mm sq LV Bare Termination	Each	
1.5		Install 4-Core 120mm sq LV Bare Termination	Each	
1.6		Install 4-Core 185mm sq LV Bare Termination	Each	
		Install 12-Core 2.5mm sq LV Metering Cable	Each	
1.7	D-DT-8011	Install 3-Core 95mm sq Shrouded Termination	Each	
1.8	D-DT-8006	Install 3-Core 95mm sq Unscreened Seperable Connector Termination	Each	
1.9	D-DT-8006	Install 3-Core 95mm sq Unscreened Seperable Connector Extended Screen Termination	Each	
1.10	D-DT-8006	Install 3-Core 95mm sq Screened Seperable Connector Termination	Each	
1.11	D-DT-8011	Install 3-Core 185mm sq Shrouded Termination	Each	
1.12	D-DT-8006	Install 3-Core 185mm sq Unscreened Seperable Connector Termination	Each	
1.13	D-DT-8006	Install 3-Core 185mm sq Unscreened Seperable Connector Extended Screen Termination	Each	
1.14	D-DT-8006	Install 3-Core 185mm sq Screened Seperable Connector Termination	Each	
1.15	D-DT-8011	Install 3-Core 300mm sq Shrouded Termination	Each	
1.16	D-DT-8006	Install 3-Core 300mm sq Unscreened Seperable Connector Termination	Each	
1.17	D-DT-8006	Install 3-Core 300mm sq Unscreened Seperable Connector Extended Screen Termination	Each	
1.18	D-DT-8006	Install 3-Core 300mm sq Screened Seperable Connector Termination	Each	
2		Cable LV Termanation		
2.1	D-DT-0830	Cable LV Termanation install on breaker MCB	Each	
3	D-DT-0850	Cable Termination Onto Overhead Line		
3.1	-	Install Equipment Links	Each	
3.2	-	Install Surge Arresters	Each	
3.3	-	Install a Steel Pipe	Each	
Q		MV Cable Joint	Unit	
1	D-DT-0854	Excavate a Joint Bay	m ³	
2	D-DT-0854	Compact Bedding Soil		
2.1	D-DT-0854	Sifted Soil - length Long, 0.15m High and 0.45m Wide	m ³	
2.2	-	Dispose of Excavated Material at approved disposal site	m ³	

2.3	D-DT-0854	Imported Soil - length Long, 0.15m High and 0.45m Wide	m ³	
3	D-DT-8008	Make-Off a Cable Joint - 3-Core 95mm sq MV Cable	Each	
4	D-DT-8008	Make-Off a Cable Joint - 3-Core 185mm sq MV Cable	Each	
5	D-DT-8008	Make-Off a Cable Joint - 3-Core 300mm sq MV Cable	Each	
6	D-DT-8014	Make-Off a Cable Joint - 4-Core 16mm sq LV Cable	Each	
7	D-DT-8014	Make-Off a Cable Joint - 4-Core 25mm sq LV Cable	Each	
8	D-DT-8014	Make-Off a Cable Joint - 4-Core 70mm sq LV Cable	Each	
9	D-DT-8014	Make-Off a Cable Joint - 4-Core 120mm sq LV Cable	Each	
10	D-DT-8014	Make-Off a Cable Joint - 4-Core 185mm sq LV Cable	Each	
11	D-DT-0854	Compact Blanket Soil		
11.1	D-DT-0854	Sifted Soil - length Long, 0.25m High and 0.45m Wide	m ³	
11.2	-	Dispose of Excavated Material at approved disposal site	m ³	
11.3	D-DT-0854	Imported Soil - length Long, 0.25m High and 0.45m Wide	m ³	
12	D-DT-0854	Backfill a Joint Bay	m ³	
13	D-DT-8012	Install a Route Marker	Each	
R		Equipment Dismantling		
1		Dismantle LV Conductor	m	
2		Dismantle MV Conductor	m	
3		Dismantle Service Conductor	m	
4		Dismantle and Remove MV Overhead Transformers	Each	
5		Dismantle and Remove MV Overhead Sectionaliser	Each	
6		Dismantle and Remove MV Overhead Reclosers	Each	
7		Dismantle and Remove MV Pole Mounted CT-VT Unit	Each	
8		Dismantle and Remove MV Pole Mounted Shunt Capacitor Banks	Each	
9		Dismantle and Remove MV Line Arrestor	Each	
10		Dismantle and Remove MV Overhead Section / Equipment Links	Each	
11		Dismantle and Removal metering LV SPU supplies	Each	
12		Dismantle and Removal structures-Stays	Each	
13		Dismantle and Removal of structures-Wood Poles	Each	
14		Remove existing MV and LV Cable	m	

16		Remove MV Cable I/D and O/D Terminations	Each	
18		Dismantle and Removal RMU	Each	
19		Dismantle and Removal Minisub	Each	
20		Dismantle and Removal Ground Mounted CT-VT Unit	Each	
22		Remove Plinths	Each	
S		Labeling	Unit	
1		MV Pole Number	Each	
2		LV Pole Number	Each	
3		Kiosk Labeling	Each	
T		Hard Rock Compressor Drilling	Unit	
1		Drilling for only one hole		
1.1		5m Pole	Each	
1.2		7m Pole	Each	
1.3		9m Pole	Each	
1.4		11m Pole	Each	
1.5		12m Pole	Each	
1.6		14m Pole	Each	
1.7		Stay hole	Each	
2		Drilling for two to five holes		
2.1		5m Pole	Each	
2.2		7m Pole	Each	
2.3		9m Pole	Each	
2.4		11m Pole	Each	
2.5		12m Pole	Each	
2.6		14m Pole	Each	
2.7		Stay hole	Each	
3		Drilling for holes more than five		
3.1		5m Pole	Each	
3.2		7m Pole	Each	
3.3		9m Pole	Each	
3.4		11m Pole	Each	
3.5		12m Pole	Each	
3.6		14m Pole	Each	
3.7		Stay hole	Each	
4		Pre-Commission		
4.1		As build drawing as per standard per D-DT 0857 and D-DT-0858	Each	
4.2		Equipment Test		
4.2.1		Perform Phasing Test per circuit	Each	
4.2.2		Continuity Tests per circuit	Each	
4.2.3		Earth Resistance Test per circuit	Each	
4.2.4		A.C. Over-Voltage Test per circuit	Each	
4.2.5		D.C. Insulation Test per circuit	Each	
4.2.6		Outer Sheath Test (Serving Test) per circuit	Each	

4.2.7		Compaction Test per set of three	Each	
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		Transport		Rate
2.1		LDV	km	
2.2		Personnel Transport for Staff	km	
2.3		10 m ³ Tipper Truck	km	
2.4		6 m ³ Tipper Truck	km	
2.5		Transport Truck 2-4 ton	km	
2.6		Transport Truck 5-8 ton	km	
2.7		Transport Truck 5-8 ton with crane	km	
2.8		Transport Truck 9-14 ton	km	
2.9		Transport Truck 9-14 ton with crane	km	

			Dismantle 11-33kV dead condition	Install 11-33kV dead condition
Item	Miscellaneous (To be claimed only as single items and not to make up a set/ structure)		Rate	Rate
	<i>The rates exclude the cost of excavation and stays, but all other costs are included</i>			
1	JB02 box	ea		
2	JB06 box	ea		
3	MD 3 box	ea		
4	Magnifix Panel	ea		
5	Ring Main Unit	ea		
6	Install new Single phase pre-wired meter kiosk, cable & connections	ea		
7	Repair existing Single phase pre-wired meter kiosk, cable & connections	ea		
8	Install new Dual phase pre-wired meter kiosk, cable & connections	ea		
9	Repair existing Dual phase pre-wired meter kiosk, cable & connections	ea		
10	Install new Three phase pre-wired meter kiosk, cable & connections	ea		
11	Repair existing Three phase pre-wired meter kiosk, cable & connections	ea		
12	LPU Metering Panel - Indoor	ea		
13	LPU Metering Panel - Outdoor	ea		
14	Repairing trenching, driveways and paving with appropriate material:			
14.1	asphalt	m ²		
14.2	paving	m ²		
14.3	concrete	m ²		
15	Lay pitch fibre piping, 100mm, 3m lengths	ea		
16	Post Insulator	ea		
17	Longrod Insulator	ea		

18	Birdflap Divertors	ea		
19	Vibration Dampers	ea		
20	10KA - 25KA Circuit Breakers - Single Pole	ea		
21	10KA - 25KA Circuit Breakers - Triple Pole	ea		
22	ABC Midspan Joint 35mm ² (2 core)	ea		
23	ABC Midspan Joint 35mm ² (3 core)	ea		
24	ABC Midspan Joint 35mm ² (4 core)	ea		
25	ABC Midspan Joint 70mm ² (4 core)	ea		
26	MV Midspan joint per phase	ea		
27	Insulator /Conductor Assembly (all configurations)	ea		
28	Top groove Tie	ea		
29	Side groove Tie	ea		
30	Transformer Mounting	ea		
31	Voltage Transformer Mounting	ea		
32	Pole Mounted Drop-out fuse	ea		
33	Wooden X arm/pole	ea		
34	Surge Arrestor	ea		
35	Wooden X-arm eyebolt - Strain / terminal / suspension	ea		
36	Strain / terminal / suspension / take-off assembly	ea		
37	3 Phase LV fuse holder	ea		
38	Dual phase LV Fuse holder	ea		
39	Single Phase LV Fuse holder	ea		
40	Pole Mounted SPU or LPU	ea		
41	Ground Mounted SPU or LPU	ea		
42	Unwired boundary box	ea		
43	Wraprot protector	ea		
44	Anti-Climbing Device (pole)	ea		
45	Anti-Climbing Device - outside of lattice structure	ea		
46	Anti-Climbing Device - inside of lattice structure	ea		
47	1-4 Way box	ea		
48	5-8 Way box	ea		
49	Numbering of Transformer / Recloser	ea		
50	HV / LV Pole Numbering (Tag, punch, install / paint)	ea		
51	CT/VT Unit Installation - Out of Line	sum		
52	CT/VT Unit - Section Links	ea		
53	Tri-Switch Installation	sum		
54	Recloser Installation - Out of Line	sum		
55	Link assembly installation	sum		
56	Steel Cross Arm	ea		
57	Steel T-Frame	ea		
58	Pole Top Inspection	ea		
59	Strain Insulator	ea		

60	Intermediate Insulator	ea		
61	Eye Bolts	ea		
62	Suspension Clamp	ea		
63	Ball Clevis	ea		
64	D-Shackle	ea		
65	Armor Rod	ea		
66	Dead End	ea		
67	Socket Tongue	ea		
68	Replace Missing or rotten split pin	ea		
69	Single/Intermediate Pole Replacement	ea		
70	Replacement on one leg "H" pole structure	ea		
71	Replace H Pole Structure	ea		
72	Replace jumpers	ea		
73	Sagging repair per span per phase	ea		
74	Repair conductor with sleeve	ea		
75	Dropout fuse link	ea		
76	Lugs	ea		
77	Lugs for LV	ea		
78	Non tension joints	ea		
79	T-piece	ea		
80	Tension joints	ea		
81	Bus bar tee off connection	ea		
82	Stringing new lines under energised line (per phase)	ea		
83	Stringing new lines over energised line (per phase)	ea		
84	Mounting of cross arm 2.4m - 4.5m	ea		
85	Mounting of cross arm 7m	ea		
86	Construction of closing span	ea		
87	Pole dressing/pole	ea		
88	Side Ties	ea		
89	Bonding Strain and Cross-arms including Hook on / Hook off of strain insulation	ea		
90	Bonding Poles (including intermediate)	ea		
91	Remove arching horns	ea		
92	Strut / Stay Wire	ea		
93	Guy Grips	ea		
94	Spindle	ea		
95	800kV meterbox	ea		
96	Pole Straightening X/Arm assembly (all inclusive)	ea		
97	H & Strain Pole straightening x/arm assembly (all incl)	ea		
98	Changing of poles - MV live, LV dead	ea		
99	Treatment on Tower footings (No concrete base) - All inclusive including material	ea		
100	Treatment on tower footings(Concrete base)-All inclusive including material	ea		

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
C3.1	This cover page	1
	<i>Employer's Service Information</i>	8
Total number of pages		9

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- Unless specifically excluded in the Quality Assessment Criteria, as per the Level of Quality Requirements (Level 1, 2, 3 or 4). The <i>Contractor</i> shall have a fully documented, implemented and maintained Quality Management System that complies with ISO-9001 standard. In the event that the <i>Contractor</i> invariably requires the assistance of some <i>Subcontractor</i> in order to realise its own supply obligations. The aforementioned requirement applies equally in all cases where any such <i>Subcontractor's</i> scope of responsibility includes the provision of any of the following activities viz. Design & Development, Manufacturing, Testing, Storage, Delivery, Installation, Commissioning, and Project Management.	51
- Unless specifically excluded in Quality Assessment Criteria, such Quality Management System shall carry valid ISO-9001 certification from an accredited certification body, as indicated in the applicable Eskom invitation (This requirement applies equally to both the <i>Contractor</i> and any/all manufacturing third party organizations mentioned above).	51
- Eskom reserves the right to request and perform necessary assessments at <i>Subcontractor</i> facilities.	51
- The <i>Contractor</i> shall be responsible for defining the specific quality control elements applicable to the respective <i>Subcontractor's</i> scope of work/supply, and ensure that their <i>Subcontractor(s)</i> quality programmes support Eskom requirements.	51
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PROVISION OF MINOR DISTRIBUTION WITHIN GAUTENG CLUSTER

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Description of the service

The scope of work includes the following:

The work consists of various types of electrical reticulation covering new supplies, increases,

decreases LPU's, dismantling and infills work.

The Contractor shall carry out the testing as required in term of Occupational Health and Safety Act, Act 85 of 1993 and complete the Compliance Certificate. The original must be handed to Eskom and a copy left at the point of supply.

The work comprises of:

The supply of labour, transport, and supervision to execute the following:

1. Bush Clearing

- Light or dense vegetation shall be cut and removed upon the receipt of all necessary permits and approvals from relevant authorities.

2. Excavations for:

- Stays and Struts – Shall be dug by hand, auger or rock drill.
- Wood Poles – Shall be dug by hand, auger or rock drill.
- Concrete Poles – Shall be dug by hand, auger or rock drill.
- Cable Trenches – Shall be dug by hand, auger or rock drill.

3. LV & MV wood poles lines including the installation, earthing and connection of distribution transformers and installation of fuse units.

4. Installation of Pole Top Boxes

- The materials for this shall be supplied by Eskom.
- The boxes will be vandal proof enclosures manufactured from 3mm 3CR12 powder coated steel. 4-way and 8-way pole top boxes will be installed in this project. They should be wired and fitted with auxiliary equipment as per D-DT1030, 1031, 1032 and 1033 respectively. Circuit breakers shall be 40A curve 1/D hydraulic magnetic.
- Install padlocks on the pole top boxes.

5. Stay and Strut Installations

- The materials for this shall be supplied by Eskom. The staying shall be 97 kN ultimate load. The stay-rod size shall be 20 mm diameter 300WA steel with a minimum length of 2.0 m. The stay wire shall be 17 x 4.00 mm.

6. Underground LV and MV Cable Installations

- The LV and MV cabling shall be installed in accordance with D-DT0854.
- LV and MV Structure assembly and installation
- LV and MV structures shall be in accordance with the standard.

7. Conductor Stringing and Tension

- The conductor installation shall be in accordance with D-D3136.

8. Equipment Installation

- All equipment shall be installed in accordance with the standard as specified on the design.

9. Earthing

- The MV and LV earthing shall be installed in accordance with the MV and LV Distribution System Earthing standard.

Minisub and Transformer Installation

- Minisubs shall be installed as specified by the design in accordance with the standard.

11. Meter Kiosk Installation

- SPU and LPU customers shall be supplied using either meter kiosks or meter panels (see D-DT-3236).
- Meter kiosks and meter panels shall be selected and applied as described in 240-75661043.
- Meter panels as well as meter kiosk are supplied fitted with either MCBs or MCCBs for the protection of customer cables.

12. Meter installation

- The prepaid smart meters shall be installed on the pole top boxes.

13. Overhead and Underground Service Installations

- The concentric cable shall be used for all service connections.

14. Directional Drilling

- Directional drilling method shall be done to cross the roads.

15. Joint Bays

- Joint bays shall be prepared in accordance with the standard.

16. Dismantling of existing equipment

- To be removed as specified by the design

17. Removal of existing LV and MV Cable

- To be removed as specified by the design.

18. Installation of Labels

- All labels shall be installed in accordance with the labeling standard and specified
- by the design.

19. Testing

- All relevant tests shall be performed and witnessed by the clerk of works.

20. As-built Drawings

- The design drawing shall be marked on site and show all the changes that were made during construction.
- The installation of spilt meters, smart meters, smart meter CIU and data concentrators including all interconnecting and external connections and earthing. In cases of smart meter installation, the contractor will be required attend and complete the required training as stipulated by Eskom with regards to the installation and commissioning of the relevant metering systems prior to being awarded Task Orders associated with this task, except for the customer's ready board (20 A customers), compliance certificate will be the customer's responsibility.
- Installation of street lights as per the specification
- Construction and Dismantling of line move projects (recoverable work)
- The contractor is responsible for all arrangements and interface with Eskom Call Centres
- The contractor is responsible for any loss and damage, and the return of Eskom material

Security

The scope for security services across Distribution Gauteng Operating Unit (GOU) includes the following categories of services where required as determined as part of a risk analysis compiled for the project with the assistance of Eskom's internal security department:

- Category A – 24/7 unarmed physical / static guarding and foot patrols which includes:
 - Unarmed Grade C security officers trained to protect GOU sites, as applicable,
 - 4-day 12-hour shift cycles, including holidays and weekends, or on an “as and when” required basis for a specific period.
- Category B – 24/7 armed physical security escorting and monitoring services which includes:
 - Armed Grade C security officers for vehicle patrols and escorts for Eskom employees / contractors / service providers deployed in high-risk areas or performing high-risk tasks (as determined by the business risk assessment),
 - Site monitoring and patrols to identified hotspot areas,
 - 4-day 12-hour shift cycles including holidays and weekends or on an “as and when” required basis for a specific period.
- Category C – Specialised security services on an “as and when” required basis or for a specific period which include:
 - Armed Grade C security officers capable of rendering tactical and crowd management response services, including provision of a suitable armoured vehicle and intelligent fully monitored surveillance system,
 - Grade C armed security officers for high-risk services,
 - Grade C armed security officer and canine services,
 - Grade B security officer trained in close protection services.

All security officers' equipment / site requirements listed below shall form part of the scope for the provision of security services and shall be covered in the overhead fee and profit percentage payable to the supplier

as per the PSIRA Illustrative Contract Pricing Guideline to ensure that the officers are fully equipped to perform their duties.

- Batons
- Pepper Spray
- Torches per officer
- Communication devices e.g. PPT, PTT (incl. SMART PTT and iTALK devices), Two-way radios and/or cell phones
- Handcuffs
- Security Supervision 1 visit per shift
- Fire extinguishers for vehicles
- First aid kits
- Real time guard monitoring devices / systems and reporting capability
- Access control services such as breathalyzer testing and access control monitoring
- Bulletproof vests (Level III Special SA Mix)
- Security uniforms
- Firearms (9mm pistols and 12 bore shotguns) where required

The contractor is also responsible for the provision of facilities for the security services on site.

All security will be remunerated on a cost plus fee basis.

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
GOU	Gauteng Operating Unit
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).



The process to ensure that Eskom pr

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

The Contractor shall control his activities and processes in accordance with the Occupational Health & Safety Act, No. 85 of 1993 and Eskom's Construction Safety, Health and Environmental Management 32-136, Safety, Health, Environment and Quality Policy, EPC32-727 and SHE Requirements for the Eskom Commercial Process, ST32-726. The *Contractor* shall comply with the health and safety requirements contained in Section 1.3.2 of this Works Information.

The Contractors Project SHEQ File is to be updated on a continuous basis. The Contractor is to ensure that all relevant documentation and authorisations are contained in the file pertaining to the project. Upon completion of the project, the Contractor is to convert all documentation contained in the SHEQ file into electronic format and save it as a PDF File. The file name should contain the name of the Contractor and the project. The file should then be saved onto a disk or removal storage device and handed over to the Project Coordinator or Project Manager upon completion of the project.

Environmental constraints and management

The Contractor shall control his activities and processes in accordance with Environmental Requirements for the Procurement of Assets, Goods and Services, TST41-120 Rev. 2. The Eskom Environmental Management Plan provides the aspects and impacts that will require management and must be followed strictly. The Contractor is to prepare a site/factory specific separate EMP for all environmental concerns that might arise and any changes to the approved plan shall be reported and be approved by the Eskom Environmental Representative and Project Manager prior to the commencement of work.

In addition, the Contractor is required to ensure that all goods, services or works supplied in terms of this Works Information also conform to all applicable environment legislation(s), Safety, Health, Environment and Quality Policy, EPC32-727; SHE Requirements for the Eskom Commercial Process, ST32-726; (and

additional requirements). The Contractor shall comply with the environmental criteria and constraints stated in Section 1.3.2.

When required, the Contractor must ensure that all Subcontractors' EMP comply with legal and other requirements and also includes all the environmental risks associated with the scope of work. The Main (Principal) Contractor shall define the specific risks applicable to the Subcontractor's scope of work or supply of kiosks.

The Contractor is to send a flash report for any environmental incidents that have occurred on site as soon as possible or within 24 hours to the Eskom Environmental Representative and Project Manager clearly stating any impact to the environment.

No environmental records shall be destroyed or discarded by the Contractor. Eskom as the Employer and the Contractor shall agree that the Contractor retains certain environmental records. Waste generated during the course of the project must be disposed at a registered site and the Contractor shall retain records of disposal.

Deviations from these requirements will be regarded as a non-conformance. Should there be concerns regarding environmental performance and non-conformance to environmental requirements, management engagements and interventions will be introduced to determine a means to addressing the shortfalls. Once these interventions have been explored and exhausted, then the Eskom Supplier Disciplinary Process will be followed.

The cost to the Contractor to obtain permits should it become necessary to cut a protected tree, ensure that waste is disposed of on a permitted, legal waste site and all relevant costs payable to dumping site as well as safe storage of all equipment which will be removed and replaced from site which will be transported upon instruction to the nearest designated disposal site within the Gauteng Operating Unit.

Quality assurance requirements

The Contractor shall control his activities and processes in accordance with Eskom's Supplier Quality Management Specification, 240-105658000 (QM-58) and ISO-9001 requirements.

3.3.1 Contractor and Subcontractor Quality Management System Requirements

- The *Contractor* and *Subcontractor* shall have formal Quality Management System in place in accordance with the requirements of the QM-58 specification.
- Such formal system shall consist of the appropriate documentations such as work procedures, work instructions, method statements, workflow documentation etc. as the case may be. This requirement constitutes the most basic Quality Management System requirements.
- Unless specifically excluded in the Quality Assessment Criteria, as per the Level of Quality Requirements (Level 1, 2, 3 or 4). The *Contractor* shall have a fully documented, implemented and maintained Quality Management System that complies with ISO-9001 standard. In the event that the *Contractor* invariably requires the assistance of some *Subcontractor* in order to realise its own supply obligations. The aforementioned requirement applies equally in all cases where any such *Subcontractor's* scope of responsibility includes the provision of any of the following activities viz. Design & Development, Manufacturing, Testing, Storage, Delivery, Installation, Commissioning, and Project Management.
- Unless specifically excluded in Quality Assessment Criteria, such Quality Management System shall carry valid ISO-9001 certification from an accredited certification body, as indicated in the applicable Eskom invitation (This requirement applies equally to both the *Contractor* and any/all manufacturing third party organizations mentioned above).
- Eskom reserves the right to request and perform necessary assessments at *Subcontractor* facilities.
- The *Contractor* shall be responsible for defining the specific quality control elements applicable to the respective *Subcontractor's* scope of work/supply, and ensure that their *Subcontractor(s)* quality programmes support Eskom requirements.

- The *Contractor* shall inform Eskom of any proposed changes to the Quality Management System or staff that will affect the Quality System prior to implementation of these changes.

3.3.2 Quality Plan

The information in this section constitutes the minimum requirements for a Quality Plan:

- All individual products and processes shall have a documented, implemented and maintained Contract Quality Plan and/or Quality Control Plan (Inspection and Test Plan).
- All production and/or service provision shall be carried out in accordance with documented Contract Quality Plan (CQP) and/ or Quality Control Plan (QCP)/ Inspection and Test Plan (ITP).
- The *Contractor* shall plan for the required Quality related activities and interfaces within the *Contractor's* Quality system, in order to demonstrate its ability towards both controlling and meeting specified Eskom requirements

Contract Quality Plan

Contractor shall require *Subcontractors* to submit Contract Quality Plan (CQP) and associated documentation in accordance with requirements of Project Quality Management System processes applicable to *Subcontractor* Scope of Work.

Contractor shall, where applicable based on Scope of Work Criticality, ensure Procurement documents clearly and unambiguously require *Subcontractor* submission of a *Subcontractor* CQP for *Contractor* and Eskom review.

Contractor and *Subcontractor* CQP shall comply with Eskom "Quality Requirements Specifications" and shall be submitted prior to the initial Scope of Work Kick-off or initial Pre-fabrication meeting and prior to commencement of manufacturing, whichever is earlier.

Quality Control Plan

Contractor shall develop and implement processes and procedures which efficiently and effectively monitor, verify and document Quality of Scope of Work deliverables. *Contractor* shall ensure that *Subcontractor* QCP/ITP's are prepared at a level of detail sufficient to address all Quality Control related activities in chronological order, from contract review through materials verification, manufacturing, fabrication, assembly, final testing, documentation, and certification.

Where activities subject to Inspection and Test procedures are to be undertaken by a *Subcontractor*, the QCP/ITP shall make reference to this fact and shall include descriptive details of *Subcontractors* involvement. A separate QCP/ITP shall be required for each *Subcontractor* Scope of Work.

Contractor may authorise use of *Subcontractor* QCP/ITP format providing it is in compliance with the above. *Contractor* shall be ultimately responsible for the development and proper implementation of all *Subcontractor* QCP/ITPs, including those reviewed or developed by *Subcontractors*.

Eskom reserves the right to select witness and hold points within all developed *Subcontractor* QCP/ITPs for Eskom oversight of selected functions and to perform surveillance or audits of the Work.

Contractor shall establish processes and procedures for formal assessment of *Subcontractor* inspection and testing programs. These shall include review of *Subcontractor* inspection reports and other Quality Control documentation. Additional formal assessment of manufacturing, fabrication and assembly facility operations shall be conducted by *Contractor* to ensure continuing suitability, adequacy and effectiveness of the *Subcontractor* inspection and testing programs. Assessment frequency shall be established in consideration of *Subcontractor* Scope of Work, Criticality of Scope of Work deliverables and performance information. Assessment scope and schedule shall be developed in consultation with Eskom.

Mandatory pre-inspection meetings will be convened by Eskom or its Inspection Agency or AIA to be attended by the *Contractor* and *Subcontractors* representatives, including their Quality representatives who will be involved with the Works and records to be kept.

Eskom reserves the right to appoint resident quality inspectors that can be based at the *Contractor* or *Subcontractor's* premises and on site where the work is being performed. The *Contractor* is expected to provide work space at no cost to Eskom, for the inspector as required.

Procurement

People

Minimum requirements of people employed

Work will only commence after the instruction via Task Order and permit to work has been issued to the Contractor.

BBBEE and preferencing scheme

The *Contractor* must comply with all the minimum Broad Based Black Economic Empowerment (B-BBEE) status level of contributor in accordance with Eskom's B-BBEE policy.

Supplier Development, Localisation and Industrialisation (SDL&I) Undertaking

Skills Development

Eskom reserves the right to negotiate with the tenderer on Eskom's requirements. The outcome of the negotiations will be a contractual obligation. If negotiations are not required, the tenderer's SDL&I undertaking will become a contractual condition.

Skills development is designed to benefit the currently unemployed graduates from school; further education and training campuses; and universities.

The composition of these candidates must be representative of the population demographics of South Africa. Note that these targets for skills development candidates categorically exclude Eskom employees and registered learners.

It is expected that a total of 100 individuals should be trained on the courses stipulated below (if the budgeted value for this service is utilised) over the period of 3 years.

Tenderers are required to propose against the following training initiatives:

NOTE 1: An estimated 0.25% of each Task Order value is expected to be committed on skills development

NOTE 2: For each of the above training we require: One (1) candidate (for either of the training courses above) for every R2 Million worth of accumulated purchase orders that has been allocated to the contractor.

Job Opportunities

Tenderer to indicate number of Jobs to be created and/or retained from this contract.

These services will have direct and indirect benefits to the local community through job creation and skills development. All unskilled labour for these services shall be sourced from local communities within Distribution Gauteng Cluster

The *Contractor* in their submission will be required to indicate how many semi-skilled and unskilled jobs will be created and retained for local content.

Number of Jobs to be created
100

SDL&I Penalty

The unemployed locals i.e. General workers 100%

Semi-skilled 10% Skilled 5% of the total number of employees required to execute the project. The retained amounts shall only be released to the *Contractor* upon fulfilment of all SDL&I obligations at the end of the contract.

- Alternatively, the *Contractor* shall submit a bond equivalent to 2.5% of the Contract Value and shall only be released to the *Contractor* upon fulfilment of all SDL&I Obligations.

Reporting and Monitoring

- The suppliers shall on a bi-annual basis submit a report to Eskom in accordance with Data Collection Template on their compliance with the SDL&I obligations described above.
- Eskom shall review the SDL&I reports submitted by the suppliers within 60 (sixty) days of receipt of the reports and notify the suppliers in writing if their SDL&I obligations have not been met.
- Upon notification by Eskom that the suppliers have not met their SDL&I obligations, the suppliers shall be required to implement corrective measures to meet those SDL&I obligations before the commencement of the following report, failing which Retention clauses shall be invoked.
- Every contract shall be accompanied by the SDL&I Implementation Schedule, which must be completed by the suppliers and returned to SDL&I representative for acceptance 28 days after contract award. This will be used as a reference document for monitoring, measuring and reporting on the supplier's progress in delivering on their stated SDL&I commitments

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.