



NEC3 Engineering & Construction Contract

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

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

for The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

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CONTRACT No. [Insert at award stage]

Part C1: Agreements & Contract Data

Contents:**No of
pages****C1.1 Form of Offer and Acceptance****[3]**

[to be inserted from Returnable Documents at award stage]

C1.2a Contract Data provided by the *Employer* **[13]****C1.2b Contract Data provided by the *Contractor*.** **[3]**

[to be inserted from Returnable Documents at award stage]

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

C1.1 Form of Offer & Acceptance

Offer

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

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36 Months as and when required basis.

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 B	The offered total of the Prices exclusive of VAT is	R [•]
	Sub total	R [•]
	Value Added Tax @ 15% is	R [•]
	The offered total of the amount due inclusive of VAT is ¹	R [•]
	(in words) [•]	

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 (if applicable)

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

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Acceptance

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

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Works Information
Part C4	Site 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 original copy signed between them of this document, including the Schedule of Deviations (if any).

Unless the tenderer (now *Contractor*) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

Signature(s)

Name(s)

Capacity

**for the
Employer**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

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

Note:

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

No.	Subject	Details
1	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

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

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

For the tenderer:

For the Employer

Signature

Name

Capacity

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

(Insert name and address of organisation)

Name & signature of witness

Date

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C1.2 ECC3 Contract Data

Part one - Data provided by the *Employer*.

[Instructions to the contract compiler: (delete these two notes in the final draft of a contract)]

1. Please read the relevant clauses in the conditions of contract before you enter data. 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.
1. Some ECC3 options are always selected by Eskom Holdings SOC Ltd. The remaining ECC3 options are identified by shading in the left hand column. In the event that the option is not required select and delete the whole row. Where the following symbol is used "■" - data is required to be inserted relevant to the specific option selected.]

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option	
	■	B: Priced contract with bills of quantities
	dispute resolution Option	W1: Dispute resolution procedure
	and secondary Options	
	■	X1: Price adjustment for inflation
		X2: Changes in the law
	■	X7: Delay damages
		Z: Additional conditions of contract
	of the NEC3 Engineering and Construction Contract, April 2013 (ECC3)	
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>Project Manager</i> is: (Name)	Christopher Banda
	Address	120 Henry Street Bloemfontein
	Tel	053 591903
	Fax	N/A

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e-mail

bandatc@eskom.co.za

10.1	The <i>Supervisor</i> is: (Name)	Abby Makolomakoe	
	Address	120 Henry Street Bloemfontein	
	Tel No.	051 873 5556	
	Fax No.	N/A	
	e-mail	MakoloMA@eskom.co.za	
11.2(13)	The <i>works</i> are	The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36 Months as and when required basis.	
11.2(14)	The following matters will be included in the Risk Register	Community unrest School children playing around. Stray animals Theft/Crime Traffic Road conditions Access to site	
11.2(15)	The <i>boundaries of the site</i> are	Free State Operating Unit	
11.2(16)	The Site Information is in	Part 4: Site Information	
11.2(19)	The Works 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	For breakdown 24hrs	
		5 Working days for maintenance	
2	The Contractor's main responsibilities	Data required by this section of the core clauses is provided by the <i>Contractor</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
11.2(3)	The <i>completion date</i> for the whole of the <i>works</i> is	Scope dependent	
11.2(9)	The <i>key dates</i> and the <i>conditions</i> to be met are:	Condition to be met	key date
30.1	The <i>access dates</i> are:	Part of the Site Scope dependant	Date To be discussed at kick off

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meeting

31.1	The <i>Contractor</i> is to submit a first programme for acceptance within	5 working days
31.2	The <i>starting date</i> is	TBC
32.2	The <i>Contractor</i> submits revised programmes at intervals no longer than	5 working days
35.1	The <i>Employer</i> is not willing to take over the <i>works</i> before the Completion Date.	
4	Testing and Defects	
42.2	The <i>defects date</i> is	5 working days
43.2	The <i>defect correction period</i> is	5 working days
	except that the <i>defect correction period</i> for	5 working days
	and the <i>defect correction period</i> for	10 working days
5	Payment	
50.1	The <i>assessment interval</i> is	After every completion
51.1	The <i>currency of this contract</i> is the	South African Rand.
51.2	The period within which payments are made is	[4] weeks.
51.4	The <i>interest rate</i> is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.</p>

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6	Compensation events	
60.1(13)	<p>The place where weather is to be recorded is:</p> <p>The <i>weather measurements</i> to be recorded for each calendar month are,</p> <p>The <i>weather measurements</i> are supplied by</p> <p>The <i>weather data</i> are the records of past <i>weather measurements</i> for each calendar month which were recorded at:</p> <p>and which are available from:</p>	<p>Free State, KwaZulu Natal, Northern Cape, Eastern Cape, Mpumalanga and Gauteng</p> <p>the cumulative rainfall (mm)</p> <p>the number of days with rainfall more than 10 mm</p> <p>the number of days with minimum air temperature less than 0 degrees Celsius</p> <p>the number of days with snow lying at 09:00 hours South African Time</p> <p>and these measurements:</p> <p>South African Weather Bureau</p> <p>the South African Weather Bureau and included in Annexure A to this Contract Data provided by the <i>Employer</i></p>
60.1(13)	<p>Assumed values for the ten year return <i>weather data</i> for each <i>weather measurement</i> for each calendar month are:</p>	<p>As stated in Annexure A to this Contract Data provided by the <i>Employer</i>.</p> <p>Note: If this arrangement is used, delete the rows above for 60.1(13) and delete this note.</p>
7	Title	<p>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.</p>
8	Risks and insurance	
80.1	These are additional <i>Employer's</i> risks	<p>1. Material availability</p> <p>2. Outage rescheduling</p> <p>3. Availability of resources</p>
9	Termination	<p>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.</p>
10	Data for main Option clause	
B	Priced contract with bill of quantities	
60.6	The <i>method of measurement</i> is	<p>[•] published by [•] and amended as stated in Part C2.1, Pricing Assumptions.</p>

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11 Data for Option W1

W1.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a 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).
	Address	Johannesburg South Africa
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 London Institution of Civil Engineers. (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	[•] South Africa
	The person or organisation who will choose an arbitrator.	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.

12 Data for secondary Option clauses

X1	Price adjustment for inflation	
X1.1(a)	The <i>base date</i> for indices is	One (1) month prior tender closing date
X1.1(c)	The proportions used to calculate the Price Adjustment Factor are:	<p>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.</p> <p>Rates will then be adjusted as follows: Labour rates 70% – SEIFSA Table C-3 for all hourly paid employees Transport rates 15% – SEIFSA Table L-2 for road freight costs</p>
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.
X7	Delay damages	

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X7.1	Delay damages for Completion of the whole of the works are	2.5%
Z	The Additional conditions of contract are	Z1 to Z15 always apply.
Z1	Cession delegation and assignment	
Z1.1	The <i>Contractor</i> does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the <i>Employer</i> .	
Z1.2	Notwithstanding the above, the <i>Employer</i> may on written notice to the <i>Contractor</i> 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 <i>Contractor</i> 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 <i>Employer</i> for the performance of this contract.	
Z2.2	Unless already notified to the <i>Employer</i> , the persons or organisations notify the <i>Project Manager</i> within two weeks of the Contract Date of the key person who has the authority to bind the <i>Contractor</i> on their behalf.	
Z2.3	The <i>Contractor</i> does not alter the composition of the joint venture, consortium, or other unincorporated grouping of two or more persons without the consent of the <i>Employer</i> having been given to the <i>Contractor</i> in writing.	
Z3	Change of Broad Based Black Economic Empowerment (B-BBEE) status	
Z3.1	Where a change in the <i>Contractor's</i> legal status, ownership or any other change to his business composition or business dealings results in a change to the <i>Contractor's</i> B-BBEE status, the <i>Contractor</i> notifies the <i>Employer</i> within seven days of the change.	
Z3.2	The <i>Contractor</i> is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the <i>Project Manager</i> within thirty days of the notification or as otherwise instructed by the <i>Project Manager</i> .	
Z3.3	Where, as a result, the <i>Contractor's</i> B-BBEE status has decreased since the Contract Date the <i>Employer</i> may either re-negotiate this contract or alternatively, terminate the <i>Contractor's</i> obligation to Provide the Works.	
Z3.4	Failure by the <i>Contractor</i> to notify the <i>Employer</i> of a change in its B-BBEE status may constitute a reason for termination. If the <i>Employer</i> terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.	
Z4	Confidentiality	
Z4.1	The <i>Contractor</i> 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 <i>Contractor</i> , enters the public domain or to information which was already in the possession of the <i>Contractor</i> at the time of disclosure (evidenced by written records in existence at that time). Should the <i>Contractor</i> disclose information to Others in terms of clause 25.1, the <i>Contractor</i> ensures that	

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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 *Project 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 *works* or any portion thereof, in the course of Providing the Works and after Completion, requires the prior written consent of the *Project 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 *Project Manager*, the *Supervisor*, 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 *works*. 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 Site.
- 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 *works*; and

undertakes, in and about the execution of the *works*, 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 *works*, 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 *Project 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 Works 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

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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 from the last sentence in core clause 61.3, "unless the *Project Manager* should have notified the event to the *Contractor* but did not".

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 83.1 is provided for in 60.1(14) and the *Employer's* liability under the indemnity is limited.

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

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

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

- Z11.1 If the amount due for the *Contractor's* payment of delay damages reaches the limits stated in this Contract Data for Option X7 or Options X5 and X7 used together, the *Employer* may terminate the *Contractor's* obligation to Provide the Works using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

Z12 Ethics

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

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

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employees,

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

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

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

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

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

Z12.2 The *Employer* may terminate the *Contractor's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Contractor* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Employer* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Employer* can terminate the *Contractor's* obligation to Provide the Services for this reason.

Z12.3 If the *Employer* terminates the *Contractor's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.

Z12.4 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.

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover 84

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

84.2 The *Contractor* provides the insurances stated in the Insurance Table A.

84.3 The insurances provide cover for events which are at the *Contractor's* risk from the *starting date* until the earlier of Completion and the date of the termination certificate.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage to the works, Plant and Materials	The replacement cost where not covered by the <i>Employer's</i> insurance

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	The <i>Employer's</i> policy deductible, as at Contract Date, where covered by the <i>Employer's</i> insurance
Loss of or damage to Equipment	The replacement cost
Liability for loss of or damage to property (except the works, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) caused by activity in connection with this contract	<p><u>Loss of or damage to property</u></p> <p><u>Employer's property</u></p> <p>The replacement cost where not covered by the <i>Employer's</i> insurance.</p> <p>The <i>Employer's</i> policy deductible, as at Contract Date, where covered by the <i>Employer's</i> insurance</p> <p><u>Other property</u></p> <p>The replacement cost.</p> <p><u>Bodily injury to or death of a person</u></p> <p>The amount required by applicable law</p>
Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law

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

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

INSURANCE TABLE B

Insurance against or name of policy	Minimum amount of cover or minimum of indemnity
Assets All Risk	Per the insurance policy document
Contract Works insurance	Per the insurance policy document
Environmental Liability	Per the insurance policy document
General and Public Liability	Per the insurance policy document
Transportation (Marine)	Per the insurance policy document
Motor Fleet and Mobile Plant	Per the insurance policy document
Terrorism	Per the insurance policy document
Cyber Liability	Per the insurance policy document
Nuclear Material Damage and Business Interruption	Per the insurance policy document
Nuclear Material Damage Terrorism	Per the insurance policy document

Z14 Nuclear Liability

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

- Z14.1 The *Employer* is the operator of the Koeberg Nuclear Power Station (KNPS), a nuclear installation, as designated by the National Nuclear Regulator of the Republic of South Africa, and is the holder of a nuclear licence in respect of the KNPS.
- Z14.2 The *Employer* is solely responsible for and indemnifies the *Contractor* or any other person against any and all liabilities which the *Contractor* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Contractor* or any other person or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.
- Z14.3 Subject to clause Z14.4 below, the *Employer* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Contractor* or any other person, or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.
- Z14.4 The *Employer* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.
- Z14.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

Z15 Asbestos

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

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

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

SANAS means the South African National Accreditation System.

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

- Z15.1 The *Employer* ensures that the Ambient Air in the area where the *Contractor* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.
- Z15.2 Upon written request by the *Contractor*, the *Employer* certifies that these conditions prevail. All measurements and reporting are affected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Contractor* may perform Parallel Measurements and related control measures at the *Contractor's* expense. For the purposes of compliance, the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.
- Z15.3 The *Employer* manages asbestos and ACM according to the Standard.
- Z15.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented, and relevant air monitoring conducted in order to declare the area safe.
- Z15.5 The *Contractor's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.
- Z15.6 The *Contractor* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations, 2001.
- Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Employer* at the *Employer's* expense, and conducted in line with South African legislation.

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

Annexure A: One-in-ten-year-return *weather data* obtained from SA Weather Bureau for [weather station]

If any one of these *weather measurements* recorded within a calendar month, before the Completion Date for the whole of the *works* and at the place stated in this Contract Data is shown to be more adverse than the amount stated below then the *Contractor* may notify a compensation event.



	<i>Weather measurement</i>				
Month	Cumulative rainfall (mm)	Number of days with rain more than 10mm	Number of days with min air temp < 0 deg.C	Number of days with snow lying at 08:00 CAT	[Other measurements if applicable]
January	[•]	[•]	[•]	[•]	
February	[•]	[•]	[•]	[•]	
March	[•]	[•]	[•]	[•]	
April	[•]	[•]	[•]	[•]	
May	[•]	[•]	[•]	[•]	
June	[•]	[•]	[•]	[•]	
July	[•]	[•]	[•]	[•]	
August	[•]	[•]	[•]	[•]	
September	[•]	[•]	[•]	[•]	
October	[•]	[•]	[•]	[•]	
November	[•]	[•]	[•]	[•]	
December	[•]	[•]	[•]	[•]	

Only the difference between the more adverse recorded weather and the equivalent measurement given above is taken into account in assessing a compensation event.

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

C1.2 Contract Data

Part two - Data provided by the *Contractor*.

[Instructions to the contract compiler: (delete this notes before issue to tenderers with an enquiry)

Whenever a cell is shaded in the left hand column it denotes this data is optional. If not required select and delete the whole row, otherwise insert the required Data.]

Notes to a tendering contractor:

1. Please read both the NEC3 Engineering and Construction Contract (April 2013) and the relevant parts of its Guidance Notes (ECC3-GN)² in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on pages 156 to 158 of the ECC3 (April 2013) Guidance Notes.
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	% %
11.2(18)	The <i>working areas</i> are the Site and	
24.1	The <i>Contractor's</i> key persons are: 1 Name: Job: Responsibilities: Qualifications: Experience: 2 Name: Job: Responsibilities: Qualifications: Experience:	

² Available from Engineering Contract Strategies Tel 011 803 3008, Fax 011 803 3009 or see www.ecs.co.za

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

		CV's (and further key persons data including CVs) are appended to Tender Schedule entitled .		
11.2(3)	The <i>completion date</i> for the whole of the <i>works</i> is			
11.2(14)	The following matters will be included in the Risk Register			
11.2(19)	The Works Information for the <i>Contractor's</i> design is in:			
31.1	The programme identified in the Contract Data is			
B	Priced contract with bill of quantities			
11.2(21)	The <i>bill of quantities</i> is in			
11.2(31)	The tendered total of the Prices is	(in figures) (in words), excluding VAT		
	Data for Schedules of Cost Components	<i>Note "SCC" means Schedule of Cost Components starting on page 60, and "SSCC" means Shorter Schedule of Cost Components starting on page 63 of ECC3 (April 2013).</i>		
B	Priced contract with bill of quantities	Data for the Shorter Schedule of Cost Components		
41 in SSCC	The percentage for people overheads is:	%		
21 in SSCC	The published list of Equipment is the last edition of the list published by The percentage for adjustment for Equipment in the published list is	Minus %		
22 in SSCC	The rates of other Equipment are:	Equipment	Size or capacity	Rate
61 in SSCC	The hourly rates for Defined Cost of design outside the Working Areas are Note: Hourly rates are estimated 'cost to company of the employee' and not selling rates. Please insert another schedule if foreign resources may also be used	Category of employee		Hourly rate

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

62 in SSCC	The percentage for design overheads is	%
63 in SSCC	The categories of design employees whose travelling expenses to and from the Working Areas are included in Defined Cost are:	
52 in SCC	The percentage for manufacture and fabrication overheads is	%
63 in SCC & SSCC	The categories of design employees whose travelling expenses to and from the Working Areas are included as a cost of design of the <i>works</i> and Equipment done outside the Working Areas are:	

PART 2: PRICING DATA

ECC3 Option B

Document reference	Title	No of pages
C2.1	Pricing assumptions: Option B	2
C2.2	The <i>bill of quantities</i>	1

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

C2.1 Pricing assumptions: Option B

How work is priced and assessed for payment

Clause 11 in NEC3 Engineering and Construction Contract (ECC3) Option B states:

Identified and defined terms	11	
	11.2	(21) The Bill of Quantities is the <i>bill of quantities</i> as changed in accordance with this contract to accommodate implemented compensation events and for accepted quotations for acceleration.
		(28) The Price for Work Done to Date is the total of <ul style="list-style-type: none"> the quantity of the work which the <i>Contractor</i> has completed for each item in the Bill of Quantities multiplied by the rate and a proportion of each lump sum which is the proportion of the work covered by the item which the <i>Contractor</i> has completed. <p>Completed work is work without Defects which would either delay or be covered by immediately following work.</p>
		(31) The Prices are the lump sums and the amounts obtained by multiplying the rates by the quantities for the items in the Bill of Quantities.

This confirms that Option B is a re-measurement contract and the bill comprises only items measured using quantities and rates or stated as lump sums. Value related items are not used. Time related items are items measured using rates where the rate is a unit of time.

Function of the Bill of Quantities

Clause 55.1 in Option B states, "Information in the Bill of Quantities is not Works Information or Site Information". This confirms that specifications and descriptions of the work or any constraints on how it is to be done are not included in the Bill, but in the Works Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Works in accordance with the Works Information". Hence the *Contractor* does **not** Provide the Works in accordance with the Bill of Quantities. The Bill of Quantities is only a pricing document.

Guidance before pricing and measuring.

Employers preparing tenders or contract documents, and tendering contractors are advised to consult the sections dealing with the bill of quantities in the NEC3 Engineering and Construction Contract Guidance Notes before preparing the *bill of quantities* or before entering rates and lump sums into the *bill*.

There is no general provision in Option B for payment for materials on Site before incorporation into the *works*. If secondary Option X14 Advanced payment has not been used then the tendering contractor may obtain the same effect by inserting appropriate items in the method related charges where the *method of measurement* allows, or alternatively making allowance in the rates of the *bill of quantities* for the financing of Plant and Materials until they are incorporated in the *works*.

When compensation events arise, the default position is that the Bill of Quantities is not used to calculate the cost effect of the event. Defined Cost and the resulting Fee is used and Defined Cost includes all components of cost which the *Contractor* is likely to incur, including so called P & G items. Rates and lump sums from the Bill of Quantities, or from any other source, may be used instead of Defined Cost and the Fee only if the *Contractor* and *Project Manager* agree. If they are unable to agree, then Defined Cost plus Fee is used.

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

Measurement and payment

Symbols

The units of measurement described in the Bill of Quantities are metric units abbreviated as follows:

Abbreviation	Unit
%	percent
h	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilopascal
kW	kilowatt
l	litre
m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre
MN	meganewton
MN.m	meganewton-metre
MPa	megapascal
No.	number
sum	Lump sum
t	tonne (1000kg)

General assumptions

Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made in the quantities for waste.

The Prices and rates stated for each item in the Bill of Quantities shall be treated as being fully inclusive of all work, risks, liabilities, obligations, overheads, profit and everything necessary as incurred or required by the *Contractor* in carrying out or providing that item.

An item against which no Price is entered will be treated as covered by other Prices or rates in the *bill of quantities*.

The quantities contained in the Bill of Quantities may not be final and do not necessarily represent the actual amount of work to be done. The quantities of work assessed and certified for payment by the *Project Manager* at each assessment date will be used for determining payments due.

The short descriptions of the items of payment given in the *bill of quantities* are only for the purposes of identifying the items. Detail regarding the extent of the work entailed under each item is provided in the Works Information.

Departures from the *method of measurement*

The Provision of services for: S1 Low Voltage (LV) breakdown, planned maintenance and replace function in the FSOU for a period of 36Months as and when required basis.

Amplification of or assumptions about measurement items

The following is provided to assist in the interpretation of descriptions given in the *method of measurement*. In the event of any ambiguity or inconsistency between the statements in the *method of measurement* and this section, the interpretation given in this section shall be used.

C2.2 the *bill of quantities*

The Bill of Quantities has the following format:

Item No:	Draw No:	Site Establishment, Each line to be tendered separate, Items tendered for shall be audited on site	Unit	Qty	Labour Price

Note: Refer to attached spreadsheet

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
C3.1	This cover page	1
	<i>Employer's Works Information</i>	21
Total number of pages		22

C3.1: EMPLOYER'S WORKS INFORMATION

Contents

Part 3: Scope of Work

C3.1: Employer's works Information

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10. <i>Contractor's</i> management, supervision and key people	9
11. Invoicing and payment	9
12. Insurance provided by the <i>Employer</i>	10
13. Contract change management	10
14. Records of Defined Cost, payments & assessments of compensation events to be kept by the <i>Contractor</i>	10
15. <i>Employer's</i> design	10
16. Equipment required to be included in the <i>works</i>	10
17. As-built drawings, operating manuals, and maintenance schedules	10
18. Procurement	10
19. People	10
20. Minimum requirements of people employed on the Site	11
21. BBBEE and preferencing scheme	11
22. Quality	11
23. Plant & Materials provided "free issue" by the <i>Employer</i>	11
24. Spares and consumables	11
25. Construction	11
26. <i>Employer's</i> Site entry and security control, permits, and Site regulations	11
27. Restrictions to access on Site, roads, walkways, and barricades	11
28. People restrictions on Site; hours of work, conduct and records	11
29. Health and safety facilities on Site	11
30. <i>Contractor's</i> Equipment	12
31. Facilities provided by the <i>Contractor</i>	12
32. Underground services, other existing services, cable and pipe trenches and covers	12
33. Giving notice of work to be covered up	12
34. Hook ups to existing works	12
35. Completion, testing, commissioning, and correction of Defects	12
36. Work to be done by the Completion Date	12
37. Access given by the <i>Employer</i> for correction of Defects	12
38. Electrical & mechanical engineering works	12

39 List of drawings.....	13
40. Drawings issued by the <i>Employer</i>	13

1 Description of the works

2 Executive overview

- The Provision of services for: Low Voltage (LV) maintenance,
- low voltage breakdown repair and replacing of faulty components,
- Defect clearing during planned outage as per scope of work with reference to bill of quantity.
- construction of "In-Fills" where needed,
- Meter Moves,
- LV service,
- reconnections and disconnections
- LV cable fault finding and route tracing for maintenance and operation,
- Excavation and backfilling of tarred and paved roads,

EXCAVATIONS & TRENCHING	Excavate, backfill, and compact as per Eskom standard and import backfill soil where required as per Eskom standard for holes and trenches for poles, stays, struts, flying stays, earth electrodes and cables.
WOOD POLE PLANTING	Planting of Structures, flying stays and strut poles. Pole top diameter ranges from 140mm to 220mm
STAYS AND STRUTS	Install stays, flying stays, struts. Accessories include stay wire, stay rods, stay plates, soil anchors, stay insulators, guy grips stay mounting brackets, mounting hardware, anti-climbing devices, stay guards and danger labels.
LV CONDUCTOR	Repair and/or Replace Eskom issued specified conductor. Material quantity to allow for 5% sag in addition to actual conductor length quantity. Installation includes handling, stringing and final sagging.
LV STRUCTURES	Repair and/or Replace LV support structures as per Eskom DDT 0900. Auxiliary equipment such as strain clamps, suspension clamps, cable ties, Connectors (IPC's & PG Clamps), LV shackle insulators, binding wires, D brackets, dead end pre-forms, threaded rods, pigtail bolts, eyenuts, terminations to be included.
LOW VOLTAGE FUSE UNITS	Repair and/or Replace LV fuse units as per Eskom 0300 series assembly drawings. Accessories inclusive of fuse bracket and mounting hardware, fuse holders and appropriate labels. The LV NH00 fuse rating shall be as per the design.
CONVENTIONAL AND SPLIT METER	Repair and/or Replace on a wooden and/or concrete pole a pole mounted distribution box as specified complete with pole mounting brackets (including sealing), cable ties, PG clamps, IPC
LV POLE MOUNTED SERVICE BOXES	miniature circuit breaker(s), neutral, phase and earth bars, insulated copper tails for connecting to LV ABC, insulation piercing connectors and factory installed cable openings. Included shall be the stainless-steel strapping, buckles and terminations of the tails onto the LV ABC. Eskom D-DT standards as amended will apply.

DIRECT & INDIRECT CONNECTIONS	House Connections (Type A & Type B). pigtail bolts, strain clamps, cable saddles, passive base/ready board mounting hardware, threaded rods. Meters, Customer interface units, ready boards, service cable, poles and Split (Smart) meters
METERS & BASES	Install Customer Interface units, ECU's, ready boards, passive base units and Split (Smart) meters. Accessories include mounting hardware. Allow for suitable sealing and testing of meters for COC and OHS Act and Eskom requirements
SERVICE CABLE	Install Eskom issued Eskom marked conductor. Material quantity to allow for 5% sag in addition to actual conductor length quantity. Installation includes handling, stringing and final sagging. The quantity shall be conductor length.
CUSTOMER DATA COLLECTION	Capturing Meter Movement form and handing it over to CNC. Handing over of customer data and updated PCS file.
DISMANTLING NON- AUXILLIARY EQUIPMENT	Prices are to include the recovery in good condition of poles, crossarms, insulators and line hardware, excluding the transporting of these items to the nearest Eskom Operating Unit store - it is measured somewhere else, and the backfilling consolidation and levelling of soil from excavations.
METER SHIFTS	Shifting meters from shack to house or house to house.
PREPAID METER UPGRADE	Physical upgrading of 20A to 60A meter, which include increasing airdeck/cable size to the required size as per Eskom standard.
CHANGING BARE CONDUCTOR SYSTEM TO ABC SYSTEM	Where a breakdown or maintenance is planned, and the system is found to be the old bare conductor system. The system may be changed into ABC system to comply with Eskom standard.
REPLACEMENT OF URBAN TRANSFORMERS	Where there is a transformer failure in an urban area
REPLACEMENT OF FAULTY DATA CONCENTRATORS FOR SMART METERS	Data concentrators that go faulty and not communicating with smart meter should be replaced according to Eskom standard

The following are reference documents to standards.

240-129252968	Installation of prepaid meters
240-61129617	Replacement of pole mounted service distribution box (dead work)
240-66129293	Replacement of DIN rail prepaid meter, service distribution box, surge arrestor and MCB (dead work)
240-66129387	Joining LV conductor and aerial bundle conductor (dead work)
240-66129433	Removing the meter during cut-off (dead work)
240-66129475	Replacement of the low voltage cables (dead work)
240-66129501	Replacement of circuit breaker in the mini substation (dead work)
240-66129533	Replacement of circuit breaker on pole mounted service distribution box (dead work)
240-66129573	Replacement of fuse base / holder (dead work)
240-66129601	Replacement of the pillar box / stubby / meter box (dead work)
240-99015780	Low voltage live work street light installation
240-41751000	Low voltage live work: Replacement of surge arrestor, circuit breaker, measuring unit, service cable for split meters on the pole top box
240-82789419	Low voltage live work: Replacement of ED's and ECU's under live conditions
240-61377092	Inspection and replacement of SPU meter boxes live
240-101754967	Commissioning and maintenance of small power user (SPU) metering
240-55198002	Standard for the verification of metering installations
34-1086	Connections, RE-connections and CUT-OFF of Customer's Electricity Supply

3 Employer's objectives and purpose of the works

- Improved electricity power supply restoration time.
- Eskom Image will be restored.
- Customers much happy and complaints reduced.
- Work executed on time and according to standard and specs.

4 Interpretation and terminology

Abbreviation	Description
ABC	Aerial Bundle Conductor
CNC	Customer Network Centre
CIU	Customer Interphase Unit
TCIF	Technology Change Implementation Forum
MCCB	Moulded Case Circuit Breaker

IPC	Insulation Piercing Connector
LV	Low Voltage
LV S/A	Low voltage surge arrestor
MV S/A	Medium voltage surge arrestor
O/H	Overhead
ORHVS	Operating Regulations for High Voltage Systems.
OU	Operating Unit
PPE	Personal Protective Equipment.
OHSA	Occupational Health and Safety Act
PTB	Pole Top Box

5. Management and start up

5.1 Management meetings

Following meetings of a general nature may be convened and chaired by the *Project Manager / CNC Supervisor/ Personnel* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Safety Induction	As per NEC 3 procedure and Safety regulation	Site or were instructed by the <i>Project Manager/CNC Supervisor /CNC Personnel</i>	Employer. <i>Project Manager (CNC Supervisor /CNC personnel /SHE officer/ Contractor Safety Rep/Contractor Personnel)</i>
Site Induction	As per NEC 3 procedure and Safety regulation	Site or were instructed by the <i>Project Manager/CNC Supervisor /CNC Personnel</i>	Employer. <i>Project Manager (CNC Supervisor /CNC personnel /SHE officer/ Contractor Safety Rep/Contractor Personnel)</i>
Kick off meeting	As per <i>Project Manager/ CNC Supervisor/ CNC personnel</i> arrangements	Site or were instructed by the <i>Project Manager/CNC Supervisor /CNC Personnel</i>	Employer. <i>Project Manager /CNC Supervisor /CNC personnel /SHE officer/ Contractor Safety Rep/Contractor Personnel)</i>

5 Documentation control

The *Contractor* shall submit all documentation to the *Project Manager/CNC Supervisor /CNC personnel* as per agreed requirements. All relevant documentation and communications will be in the form of e-mails and telecommunication.

6 Health and safety risk management

The *Contractor* shall comply with the health and safety requirements contained in Annexure C1 to this Works Information.

7 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. The Eskom Generic 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 Rev 5; SHE Requirements for the Eskom Commercial Process; (and additional requirements). The Contractor shall comply with the environmental criteria and constraints stated in Section C1.

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.

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 as per Environmental Incident Management Procedure, 240-133087117 rev 3.

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 CentralEast Cluster.

It is the responsibility of the contractor to go through the environmental documents and requirements in the project package and calculate what he will need to be able to comply/conform to those requirements in the various documents. For instance, with the EMP related items, we have provided an authorised EMP for the project so the potential contractor would need to look through that EMP to see what is required then determine which activities/requirements will have a cost implication for him and then include/accommodate those costs under the relevant sections of his submission.

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure C1 _____

8 Quality assurance requirements

Specify minimum requirements for the *Contractor's* Quality Plan and Work Procedures or provide the *Employer's* Quality Plan if that is to be used. Make sure witness and hold points are identified generally and describe any particular requirements for QA outside the *working areas*. Indicate how the *Contractor's* QA documentation is to be submitted for acceptance and any conditions that need to be imposed relating to acceptance. State whether ISO compliance is a condition and if so which ISO standard shall apply.

9 Programming constraints

Will be as per scope of work and execution plan.

10 Contractor's management, supervision, and key people

Will be as per technical criteria.

11 Invoicing and payment

Within one week of receiving a payment certificate from the *Project Manager/CNC Supervisor* 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 *Project Manager/CNC Supervisor's* payment certificate.

The *Contractor* shall address the tax invoice to Eskom Holdings SOC Ltd and include on each invoice the following information:

- Name and address of the *Contractor* and the *Project Manager*.
- The contract number and title.
- *Contractor's* VAT registration number.
- The *Employer's* VAT registration number 4740101508.
- Description of service provided for each item invoiced based on the Price List.
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT.
- (add other as required)

An original invoice must be sent to the Accounts Payable Department and a copy to the *Project Manager/CNC Supervisor*.

Invoiceseskomlocal@eskom.co.za

Procedure for invoice payment:

Work done is assessed by CNC Supervisor/ CNC personnel, after which the *Eskom* CNC Supervisor/ CNC personnel and the *Contractor* agree on the assessment and production sheet sent. Production sheets together with trip sheets are signed and the amount to be invoiced as per bill of quantity verses scope. The Eskom CNC Supervisor/ CNC Personnel will then generate payment certificate aligning to the Contractor's invoice that was agreed based on the assessment and create goods receipt to submit to Contractor for payment submission.

NB: *Contractor* to not sent Invoice to finance without receival of GR from CNC

12 Insurance provided by the *Employer*.

As stipulated in the Contract Data.

13 Contract change management.

As per NEC

14 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Contractor*.

A risk register is to be kept by the *Contractor* in which all events are recorded. Records of events that could give rise to Compensation Events are to be kept up to date for inspection by the Supervisor, CNC Personnel and/or Project Manager at all times and this is to be kept in a risk register. This is not for inspection purposes but for management as per core clause 16.

15 *Employer's* design

In accordance with *Employer's* specifications DDT.

16 Equipment required to be included in the works.

As per technical criteria and scope of work

17 As-built drawings, operating manuals, and maintenance schedules

As per scope of work

18 Procurement

19 People

People employed on site shall have all relevant documents as required by law for employment within the country, i.e., Relevant work permits and Identifications, task order, approved Safety File and compliant authorisation.

20 Minimum requirements of people employed on the Site.


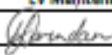
As per technical criteria

21 BBBEE and preferencing scheme

Specify constraints which *Contractor* must comply with after contract award in regard to any Broad Based Black Economic Empowerment (B-BBEE) or preferencing scheme measures.

22 Quality

Quality is usually designed in or specified in the technical specifications referred to in section 6 of this Works Information. However, to cover circumstances where quality may not be prescribed, this sub-paragraph could be used as an overarching default requirement. It could also be used to deal with how repairs are carried out after a Defect has been notified; for example can the item be fixed up or must it be replaced by a new one. See also SANS 1200A, sub-paragraph 3.1

	Supplier Quality Management: List of Tender Returnables Documents	Unique Identifier	240-12248652
		Revision	7
		Effective Date	2022/01/26
		Specification	240-105658000
Category 3 : Quality Requirements		Deliverables to be evaluated Indicator = 1	
SECTION A : Quality Management System Requirements ISO 9001			
(Option 1) Valid certification of Quality Management System by an ISO accredited body			
		Apply =1	
A.1 Product / Service Scoping on ISO 9001 certificate is defined and relevant		1	
A.2 Certificate by Approved and Authorized certification authority		1	
A.3 Certification Authority has Recognized International Accreditation		1	
A.4 Validity (expiry date) of certificate		1	
Section A Score Option 1		4	
SECTION A : Quality Management System Requirements ISO 9001			
Objective evidence of documented QMS that is not certified but complies with ISO 9001			
		Apply =1	
A.1 QMS Manual or a document that defines and describes the QMS and its scope		1	
A.2 Quality Policy Approved by top management.		1	
A.4 Control of documented information (I.e. document and record control) Clause 7.5 of ISO 9001:2015		1	
A.6 Documented Information for Nonconformity and Corrective action Clause 10.2 of ISO 9001:2015		1	
A.7 Documented Information for Internal audit Clause 9.2 of ISO 9001:2015		1	
Section A Score Option 2		5	
SECTION B : Evidence of QMS in operation (Tender Quality Requirements -Ref 240-105658000)			
		Apply =1	
B.1 Documented information for defined roles, responsibilities and authorities - Organization chart and Responsibility matrix (must include but not limited to quality management function/role) (Clause 5.3 of ISO 9001:2015)		1	
B.2 Documented information for Control of Externally Provided Processes, Products and Services - Must include criteria for evaluation, selection, monitoring of performance, and re-evaluation of external providers (Clause 8.4 of ISO 9001:2015)		1	
Section B Score		2	
SECTION C: Contract Quality Plan Requirements (Ref 240-105658000 and 240-109253698).			
Draft Contract Quality Plan specific to the scope of work as described in the tender documents (Ref ISO 10005)			
		Apply (Yes=1)	
NB! Draft Contract/Project Quality Plan has Important QA deliverables		1	
Section C Score		1	
SECTION D: Quality Control Plan Requirements (Ref 240-105658000 or 240-109253302)			
QCP /Checklist/ ITP (Quality Control Plans) as per Scope of Works (Ref ISO 10005)			
		Apply = 1	
NB! Draft/ Example of an Inspection and Test Plan (ITP) or Quality Control Plan (QCP) on similar and/ or previous work done		1	
Section D Score		1	
SECTION E: User defined additional Requirements & miscellaneous (Ref 240-105658000)			
Customer specific requirements & other standards and required can be listed and evaluated here			
		Apply (Yes=1)	
E.1 Form A is completed and signed.		1	
Section E Score		1	
NAME OF ESKOM REPRESENTATIVE		D. Govindan	
DATE ISSUED		03/10/2025	
PROJECT: TENDER TITLE		LV Maintenance	
SIGNATURE			

23 Plant & Materials provided “free issue” by the *Employer*.

- CNC will order material and issue material to the *Contractor*.
- Meters will be issued with MATS process from CNC to *Contractor*
- *Contractor* to return scrap meters to CNC.
- Meter movement forms to be submitted at the CNC.
- All other material will be issued from CNC.
- Contractor to clean site and take scrap back to CNC.

24 Spares and consumables.

Contractors to provide nonstock items where applicable.

25 Construction

As per construction regulations 2014 of South Africa.

26 *Employer's* Site entry and security control, permits, and Site regulations.

Contractor employee's identification cards are compulsory to access *Eskom* and Customer premises.

27 Restrictions to access on Site, roads, walkways, and barricades.

Restrictions as per site specifics

28 People restrictions on Site; hours of work, conduct and records.

The Contractor must clearly indicate its proposed working hours before commencement of work via execution plan, Contractor to always inform CNC of any changes to work schedule or authorised personnel.

29 Health and safety facilities on Site

Section 6 deals with contractual H & S requirements in addition to those of the OHSA Act. This section allows the *Employer* to state what measures are to be taken on Site against disease and epidemics and in emergencies. Also describe where First Aid facilities provided by the *Employer* are located and any other emergency arrangements. Do not use if already addressed in 2.3. The cross reference from Clause 27.4 applies.

30 *Contractor's* Equipment

As per technical criteria

31 Facilities provided by the *Contractor*.

As per bill of quantity

32 Underground services, other existing services, cable, and pipe trenches and covers.

As per scope of work

33 Giving notice of work to be covered up

Notify by email and telecommunication.

34 Hook ups to existing works

- Notify CNC for all shared structure.
- Contractor to Check condition of poles before climbing.

35 Completion, testing, commissioning, and correction of Defects

On completion Contractor must conduct the following test:

- Polarity test
- Voltage test
- Earth leakage test

Results should be noted on MMF.

36 Work to be done by the Completion Date

	Item of work	To be completed by
	As built drawings of infills	Within 5 days after Completion
	Performance testing of the <i>works</i> in use as specified in paragraph 50 of this Works Information.	See performance testing requirements.

37 Access given by the *Employer* for correction of Defects.

As per scope of work

38 Electrical & mechanical engineering works

As per scope of work

39 List of drawings

40 Drawings issued by the *Employer*

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

Note: Some drawings may contain both Works Information and Site Information.

<https://portal.eskom.co.za/sites/scot/dbg/Pages/mvly.aspx>

Drawing number	Revision	Title
D-DT-0983	1	LV BARE WIRE SYSTEMS - BINDING TECHNIQUES
D-DT-0100	6	LV-3 PHASE BARE NEUTRAL ABC SUSPENSION ASSEMBLY 0-30 DEG.
D-DT-0120	5	LV-3 PHASE BARE NEUTRAL ABC TERMINAL ASSEMBLY
D-DT-0121	6	LV-3 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 0-60 DEG.
D-DT-0122	6	LV-3 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 60-90 DEG.
D-DT-0140	6	LV-3 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE
D-DT-0141	6	LV-3 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - INTERMEDIATE ASSEMBLY
D-DT-0142	5	LV-3 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN
D-DT-0143	5	LV-3 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - STRAIN ASSEMBLY
D-DT-0145	1	LV-DUAL PHASE BARE NEUTRAL ABC SUSPENSION ASSEMBLY (0-30 DEG)
D-DT-0146	1	LV-DUAL PHASE BARE NEUTRAL ABC TERMINAL ASSEMBLY
D-DT-0147	1	LV-DUAL PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 0-60 DEG.
D-DT-0148	1	LV-DUAL PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 60-90 DEG.
D-DT-0149	1	LV-DUAL PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE
D-DT-0150	1	LV-DUAL PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - INTERMEDIATE ASSEMBLY
D-DT-0151	1	LV-DUAL PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN
D-DT-0152	1	LV-DUAL PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - STRAIN ASSEMBLY
D-DT-0153	1	LV-1 PHASE BARE NEUTRAL ABC SUSPENSION ASSEMBLY 0-30 DEG.
D-DT-0154	1	LV-1 PHASE BARE NEUTRAL ABC TERMINAL ASSEMBLY
D-DT-0155	1	LV-1 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 0-60 DEG.

<u>D-DT-0156</u>	1	LV-1 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 60-90 DEG.
<u>D-DT-0157</u>	1	LV-1 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0158</u>	1	LV-1 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - INTERMEDIATE ASSEMBLY
<u>D-DT-0159</u>	1	LV-1 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0160</u>	1	LV-1 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - STRAIN ASSEMBLY
<u>D-DT-0166</u>	6	LV AND MV STAY ATTACHING METHODS FOR CONCRETE POLES
<u>D-DT-0167</u>	6	LV STRUT POLE ARRANGEMENT FOR 7m AND 9m CONCRETE POLES
<u>D-DT-0180 Sh 1</u>	7	LV / SERVICE POLE TOP BOX POSITION (ABC SYSTEM) SUSPENSION ASSEMBLY (0° - 30°)
<u>D-DT-0180 Sh 2</u>	7	LV / SERVICE POLE TOP BOX POSITION (ABC SYSTEM) TERMINAL
<u>D-DT-0180 Sh 3</u>	7	LV / SERVICE POLE TOP BOX POSITION (ABC SYSTEM) STRAIN (30° - 60°)
<u>D-DT-0180 Sh 4</u>	7	LV / SERVICE POLE TOP BOX POSITION (ABC SYSTEM) T-OFF FROM INTERMEDIATE
<u>D-DT-0180 Sh 5</u>	7	LV / SERVICE POLE TOP BOX POSITION (ABC SYSTEM) T-OFF FROM STRAIN / LARGE ANGLE (30° - 60°)
<u>D-DT-0183</u>	5	LV SERVICE-DISTRIBUTION BOX (BARE WIRE SYSTEM)
<u>D-DT-0920</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0921</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0922</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0924</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE TERMINAL ASSEMBLY
<u>D-DT-0925</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0926</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0927</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0928</u>	4	LV BARE WIRE SYSTEMS - THREE PHASE CABLE CONNECTION

<u>D-DT-0929</u>	6	LV BARE WIRE SYSTEMS - SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0932</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0934</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0935</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0940</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0941</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0942</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0944</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE TERMINAL ASSEMBLY
<u>D-DT-0945</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0946</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0947</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0948</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE CABLE CONNECTION
<u>D-DT-0949</u>	2	LV BARE WIRE SYSTEMS - 2 PHASE SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0950</u>	2	LV BARE WIRE SYSTEMS - 2 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0951</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0952</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0960</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0961</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0962</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0964</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE TERMINAL ASSEMBLY

<u>D-DT-0965</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0966</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0967</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0968</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE CABLE CONNECTION
<u>D-DT-0969</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0970</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0971</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0972</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0980</u>	1	LV BARE WIRE SYSTEMS - MV / LV BARE WIRE STAYING TECHNOLOGY
<u>D-DT-0981</u>	1	LV BARE WIRE SYSTEMS - LV METERING UNIT 3 PHASE, DUAL PHASE AND SINGLE PHASE CONNECTIONS
<u>D-DT-0982</u>	1	LV BARE WIRE SYSTEMS - EYE NUT ASSEMBLY
<u>D-DT-0983</u>	1	LV BARE WIRE SYSTEMS - BINDING TECHNIQUES
<u>D-DT-0920</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0921</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0922</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0924</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE TERMINAL ASSEMBLY
<u>D-DT-0925</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0926</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0927</u>	5	LV BARE WIRE SYSTEMS - 3 PHASE T-OFF ASSEMBLY FROM STRAIN

<u>D-DT-0928</u>	4	LV BARE WIRE SYSTEMS - THREE PHASE CABLE CONNECTION
<u>D-DT-0929</u>	6	LV BARE WIRE SYSTEMS - SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0932</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0934</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0935</u>	3	LV BARE WIRE SYSTEMS - 3 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0940</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0941</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0942</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0944</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE TERMINAL ASSEMBLY
<u>D-DT-0945</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0946</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0947</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0948</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE CABLE CONNECTION
<u>D-DT-0949</u>	2	LV BARE WIRE SYSTEMS - 2 PHASE SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0950</u>	2	LV BARE WIRE SYSTEMS - 2 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0951</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0952</u>	1	LV BARE WIRE SYSTEMS - 2 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0960</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE ASSEMBLY 0 DEG.
<u>D-DT-0961</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE IN-LINE STRAIN ASSEMBLY
<u>D-DT-0962</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE ANGLE ASSEMBLY 1-100 DEG.
<u>D-DT-0964</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE TERMINAL ASSEMBLY

<u>D-DT-0965</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-0966</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE RIGHT ANGLE CROSSING
<u>D-DT-0967</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-0968</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE CABLE CONNECTION
<u>D-DT-0969</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE SERVICE DISTRIBUTION BOX CONNECTION
<u>D-DT-0970</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE OPEN WIRE / ABC CONNECTION
<u>D-DT-0971</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE INTERMEDIATE STRAIN CROSSING
<u>D-DT-0972</u>	1	LV BARE WIRE SYSTEMS - 1 PHASE STRAIN - STRAIN CROSSING
<u>D-DT-0980</u>	1	LV BARE WIRE SYSTEMS - MV / LV BARE WIRE STAYING TECHNOLOGY
<u>D-DT-0981</u>	1	LV BARE WIRE SYSTEMS - LV METERING UNIT 3 PHASE, DUAL PHASE AND SINGLE PHASE CONNECTIONS
<u>D-DT-0982</u>	1	LV BARE WIRE SYSTEMS - EYE NUT ASSEMBLY
<u>D-DT-0983</u>	1	LV BARE WIRE SYSTEMS - BINDING TECHNIQUES
<u>D-DT-1100</u>	5	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC SUSPENSION ASSEMBLY (0° - 30°) WOOD POLE
<u>D-DT-1101</u>	2	TELECOMMUNICATIONS AUTHORITY INSTALLATION ON AN ESKOM LV STRUCTURE
<u>D-DT-1120</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC TERMINAL ASSEMBLY WOOD POLE
<u>D-DT-1121</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC STRAIN ASSEMBLY (0° - 60°) WOOD POLE
<u>D-DT-1122</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC STRAIN ASSEMBLY (60° - 90°) WOOD POLE
<u>D-DT-1139</u>	2	LV RETICULATION INLINE FUSE UNIT ASSEMBLY WOOD POLE
<u>D-DT-1140</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE WOOD POLE

<u>D-DT-1141</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC CROSS INTERMEDIATE-INTERMEDIATE ASSEMBLY WOOD POLE
<u>D-DT-1142</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN WOOD POLE
<u>D-DT-1143</u>	6	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC CROSS INTERMEDIATE-STRAIN ASSEMBLY WOOD POLE
<u>D-DT-1144</u>	2	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC INLINE FUSE UNIT ASSEMBLY
<u>D-DT-1145</u>	2	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC SUSPENSION ASSEMBLY (0°- 30°) WOOD POLE
<u>D-DT-1146</u>	2	LV RETICULATION THREE PHASE BARE/COVERED NEUTRAL ABC TERMINAL ASSEMBLY WOOD POLE
<u>D-DT-1147</u>	1	LV - 2 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 0-60 DEG.
<u>D-DT-1148</u>	1	LV - 2 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 60-90 DEG.
<u>D-DT-1149</u>	1	LV - 2 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-1150</u>	1	LV - 2 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - INTERMEDIATE ASSEMBLY
<u>D-DT-1151</u>	1	LV - 2 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-1152</u>	1	LV - 2 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - STRAIN ASSEMBLY
<u>D-DT-1153</u>	1	LV - 1 PHASE BARE NEUTRAL ABC SUSPENSION ASSEMBLY 0-30 DEG.
<u>D-DT-1154</u>	1	LV - 1 PHASE BARE NEUTRAL ABC TERMINAL ASSEMBLY
<u>D-DT-1155</u>	1	LV - 1 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 0-60 DEG.
<u>D-DT-1156</u>	1	LV - 1 PHASE BARE NEUTRAL ABC STRAIN ASSEMBLY 60-90 DEG.
<u>D-DT-1157</u>	1	LV - 1 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM INTERMEDIATE
<u>D-DT-1158</u>	1	LV - 1 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - INTERMEDIATE ASSEMBLY
<u>D-DT-1159</u>	1	LV - 1 PHASE BARE NEUTRAL ABC T-OFF ASSEMBLY FROM STRAIN
<u>D-DT-1160</u>	1	LV - 1 PHASE BARE NEUTRAL ABC CROSS INTERMEDIATE - STRAIN ASSEMBLY

<u>D-DT-1161</u>	1	LV - 1 PHASE BARE NEUTRAL ABC INLINE FUSE UNIT ASSEMBLY WOOD POLE
<u>D-DT-1171</u>	1	LV SUSPENSION \ TERMINAL STRAPPING AND CONNECTOR DETAIL
<u>D-DT-0627 Sh 1</u>	7	EARTHING - TRANSFORMER SINGLE POLE MOUNTING (LV ELECTRODE AT TRANSFORMER)
<u>D-DT-0627 Sh 2</u>	7	EARTHING - TRANSFORMER SINGLE POLE MOUNTING (LV ELECTRODE ONE SPAN AWAY)
<u>D-DT-0630 Sh 1</u>	6	PROTECTION/EARTHING - SINGLE PHASE SCHEMATIC DIAGRAM OF THE PROTECTION AND EARTHING ARRANGEMENT FOR SANS 780 POLE MOUNTED TRANSFORMER SUBSTATION
<u>D-DT-0630 Sh 2</u>	6	PROTECTION/EARTHING - DUAL PHASE SCHEMATIC DIAGRAM OF THE PROTECTION AND EARTHING ARRANGEMENT FOR SANS 780 POLE MOUNTED TRANSFORMER SUBSTATION
<u>D-DT-0630 Sh 3</u>	6	PROTECTION/EARTHING - THREE PHASE SCHEMATIC DIAGRAM OF THE PROTECTION AND EARTHING ARRANGEMENT FOR CONVENTIONAL AND CSP POLE MOUNTED TRANSFORMER SUBSTATION
<u>D-DT-0637 Sh 1</u>	7	EARTHING - LV ABC EARTHING AT TRANSFORMER
<u>D-DT-0637 Sh 2</u>	7	EARTHING - LV ABC EARTHING ONE SPAN AWAY
<u>D-DT-0639 Sh 1</u>	4	LV SERVICES - SINGLE PHASE SPU SUPPLY 16kVA - kWh METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 10</u>	4	LV SERVICES SINGLE PHASE SPU SUPPLY DATA CONCENTRATOR OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 11</u>	4	LV SERVICES THREE PHASE SPU SUPPLY DATA CONCENTRATOR OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 12</u>	4	LV SERVICES DUAL PHASE SPU SUPPLY DATA CONCENTRATOR OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 13</u>	4	LV SERVICES THREE PHASE SPU SUPPLY DATA CONCENTRATOR GROUND MOUNTED TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 2</u>	4	LV SERVICES - THREE PHASE SPU SUPPLY 25, 50 AND 100kVA - kWh METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 3</u>	4	LV SERVICES - THREE PHASE SPU SUPPLY 25-50kVA - PROGRAMMABLE METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 4</u>	4	LV SERVICES - THREE PHASE SPU SUPPLY 100-500kVA - PROGRAMMABLE METER OVERHEAD TRANSFORMER CONNECTED

<u>D-DT-0639 Sh 5</u>	4	LV SERVICES - DUAL PHASE SPU SUPPLY 32kVA AND 64kVA - Kwh METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 6</u>	4	LV SERVICES - DUAL PHASE SPU/LPU SUPPLY 128kVA - kWh METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 7</u>	4	LV SERVICES - THREE PHASE SPU/LPU SUPPLY 100kVA - kWh METER OVERHEAD TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 8</u>	4	LV SERVICES - THREE PHASE SPU/LPU SUPPLY 100-500kVA - PROGRAMMABLE METER GROUND TRANSFORMER CONNECTED
<u>D-DT-0639 Sh 9</u>	4	LV SERVICES - THREE PHASE SPU/LPU SUPPLY 100-500kVA - PROGRAMMABLE METER MINISUB CONNECTED
<u>D-DT-0642 Sh 1</u>	4	EARTHING - MV AND LV EARTH ELECTRODE DETAILS
<u>D-DT-0642 Sh 2</u>	4	EARTHING - MV AND LV EARTH ELECTRODE DETAILS (MEDIUM THEFT AREAS)
<u>D-DT-0642 Sh 3</u>	4	EARTHING - MV AND LV EARTH ELECTRODE DETAILS (HIGH THEFT AREAS)
<u>D-DT-0642 Sh 4</u>	4	EARTHING - MV AND LV EARTH ELECTRODE DETAILS (HIGH THEFT AREAS-ALTERNATIVE)
<u>D-DT-0830 Sh 1</u>	1	EARTH AND BONDING ARRANGEMENT FOR LV UNDERGROUND CABLE NETWORK (DISTRIBUTION KIOSKS)
<u>D-DT-0830 Sh 2</u>	1	EARTH AND BONDING ARRANGEMENT FOR LV UNDERGROUND CABLE NETWORK (METER KIOSKS)
<u>D-DT-0831 Sh 1</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) $\leq 25\text{mm}^2$ 2 CORE, 3 CORE AND 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0831 Sh 2</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) $\leq 35\text{mm}^2$ 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0831 Sh 3</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) 70mm ² 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0831 Sh 4</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) $\leq 25\text{mm}^2$ 2 CORE, 3 CORE AND 4 CORE TERMINAL STRUCTURE
<u>D-DT-0831 Sh 5</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) 35mm ² 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE TERMINAL STRUCTURE
<u>D-DT-0831 Sh 6</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (UNFUSED) 70mm ² 4 CORE TERMINAL STRUCTURE
<u>D-DT-0832 Sh 1</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (UNFUSED) $\leq 25\text{mm}^2$ 2 CORE, 3 CORE AND 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE

<u>D-DT-0832 Sh 2</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (UNFUSED) 35mm ² 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0832 Sh 3</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (UNFUSED) 70-185mm ² 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0833 Sh 1</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (UNFUSED) ≤35mm ² 2 CORE, ≤70mm ² 3 CORE, ≤50mm ² 4 CORE
<u>D-DT-0833 Sh 2</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (UNFUSED) 1 x 70mm - 185mm ² 4 CORE
<u>D-DT-0833 Sh 3</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (UNFUSED) 2 x 70mm ² 4 CORE OR 2 - 3 x 150mm ² 4 CORE
<u>D-DT-0834 Sh 1</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) ≤25mm ² 2 CORE, 3 CORE AND 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0834 Sh 2</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) 35mm ² 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0834 Sh 3</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) 70mm ² 4 CORE INTERMEDIATE STRUCTURE
<u>D-DT-0834 Sh 4</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) ≤25mm ² 2 CORE, 3 CORE AND 4 CORE TERMINAL STRUCTURE
<u>D-DT-0834 Sh 5</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) 35mm ² 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE TERMINAL STRUCTURE
<u>D-DT-0834 Sh 6</u>	1	LV OUTDOOR CABLE TERMINATION TO ABC LINE (FUSED) 70mm ² 4 CORE TERMINAL STRUCTURE
<u>D-DT-0835 Sh 1</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (FUSED) ≤25mm ² 2 CORE, 3 CORE AND 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0835 Sh 2</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (FUSED) ≤35mm ² 2 CORE, 35-70mm ² 3 CORE AND 35-50mm ² 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0835 Sh 3</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (FUSED) 70mm ² 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0835 Sh 4</u>	1	LV OUTDOOR CABLE TERMINATION TO OPEN WIRE LINE (FUSED) 70-185mm ² 4 CORE INTERMEDIATE OR TERMINAL STRUCTURE
<u>D-DT-0836 Sh 1</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (FUSED) ≤35mm ² 2 CORE, ≤ 70mm ² 3 CORE AND ≤ 50mm ² 4 CORE

<u>D-DT-0836 Sh 2</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (FUSED) 1x70mm ² 4 CORE
<u>D-DT-0836 Sh 3</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (FUSED) 1x95-185mm ² 4 CORE
<u>D-DT-0836 Sh 4</u>	0	LV OUTDOOR CABLE TERMINATION TO TRANSFORMER (FUSED) 2x70mm ² 4 CORE
<u>D-DT-0840</u>	2	LV DISTRIBUTION KIOSK ASSEMBLY STRUCTURE
<u>D-DT-0850 Sh 1</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO OVERHEAD LINE GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 10</u>	13	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITH CABLE ANTI THIEFT 6M STEEL PIPE GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 2</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO OVERHEAD LINE GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 3</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO STRAIN TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 4</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO STRAIN TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 5</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO H-POLE TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 6</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO H-POLE TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 7</u>	13	CABLE TERMINATION FROM SUBSTATION ONTO H-POLE TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 8</u>	13	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITHOUT FUSE CUT/OUTS GENERAL ARRANGEMENT
<u>D-DT-0850 Sh 9</u>	13	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITHOUT FUSE CUT/OUTS GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 1</u>	15	CABLE TERMINATION ONTO OVERHEAD LINE WITH FUSE-CUT-OUT ASSEMBLY GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 10</u>	15	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITH FUSE CUT / OUTS GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 11</u>	15	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITH ANTI THIEFT 6M STEEL PIPE GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 2</u>	15	CABLE TERMINATION ONTO OVERHEAD LINE WITH FUSE-CUT-OUT ASSEMBLY IN LINE GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 3</u>	15	CABLE TERMINATION ONTO VERTICAL STRAIN TERMINAL WITH FUSE-CUT-OUT ASSEMBLY GENERAL ARRANGEMENT

<u>D-DT-0851 Sh 4</u>	15	CABLE TERMINATION ONTO EASTERN REGION W.I.S.D. STRUCTURE WITH FUSE-CUT-OUT ASSEMBLY GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 5</u>	15	CABLE TERMINATION ONTO H-POLE STRUCTURE GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 6</u>	15	CABLE TERMINATION ONTO H-POLE STRUCTURE WITH FUSE CUT / OUTS GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 7</u>	15	CABLE TERMINATION FROM SUBSTATION ONTO H-POLE TERMINAL GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 8</u>	15	CABLE TERMINATION (WITH 7000 WOOD POLE) ONTO H-POLE STRUCTURE WITH FUSE CUT / OUTS GENERAL ARRANGEMENT
<u>D-DT-0851 Sh 9</u>	15	CABLE TERMINATION ONTO OVERHEAD LINE WITH FUSE CUT OUT ASSEMBLY OUT OF LINE ARRANGEMENT
<u>D-DT-0852 Sh 1</u>	4	CABLE OVERHEAD CABLE SUPPORT BRACKET FOR STATION CLASS S.A.'S
<u>D-DT-0852 Sh 2</u>	4	CABLE OVERHEAD CABLE SUPPORT BRACKET FOR DISTRIBUTION CLASS S.A.'S
<u>D-DT-0852 Sh 3</u>	4	CABLE OVERHEAD H-POLE CABLE SUPPORT BRACKET FOR STATION CLASS S.A.'S
<u>D-DT-0852 Sh 4</u>	4	CABLE OVERHEAD H-POLE CABLE SUPPORT BRACKET FOR DISTRIBUTION CLASS S.A.'S
<u>D-DT-0854 Sh 5</u>	8	MV AND LV POWER CABLE WITH ELECTRICAL SERVICES DETAIL
<u>D-DT-0854 Sh 6</u>	8	LV POWER CABLE, STREET LIGHT OR SERVICE CONNECTION CABLE TRENCH DETAILS
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