

ESKOM HOLDINGS SOC Ltd  
SUPPLY AND DELIVERY OF ELECTRICAL GENERAL CONSUMABLE SPARES ON AN AS AND WHEN REQUIRED BASIS  
FOR THE PERIOD OF FIVE (5) YEARS AT KUSILE POWER STATION

CONTRACT NO. \_\_\_\_\_



## NEC3 Supply Contract (SC3)

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

**and [Insert at award stage]**  
**(Reg No. \_\_\_\_\_ )**

**for SUPPLY AND DELIVERY OF ELECTRICAL GENERAL  
CONSUMABLE SPARES ON AN AS AND WHEN REQUIRED  
BASIS FOR THE PERIOD OF FIVE (5) YEARS AT KUSILE  
POWER STATION**

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**CONTRACT No. [Insert at award stage]**

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## PART C1: AGREEMENTS & CONTRACT DATA

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**C1.2b Contract Data provided by the *Supplier*** **[●]**

[to be inserted from Returnable Documents at award stage]

## C1.1 Form of Offer & Acceptance

### Offer

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

**SUPPLY AND DELIVERY OF ELECTRICAL GENERAL CONSUMABLE SPARES ON AN AS AND WHEN REQUIRED BASIS FOR THE PERIOD OF FIVE (5) YEARS AT KUSILE POWER STATION**

The tenderer, identified in the Offer signature block, has

	examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.
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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 *Supplier* under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the *conditions of contract* identified in the Contract Data.

	The offered total of the Prices exclusive of VAT is	R [●]	
	Value Added Tax @ 15% is	R [●]	

	The offered total of the amount due inclusive of VAT is <sup>1</sup>	R [●]
	(in words) [●]	

This Offer may be accepted by the Purchaser 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 *Supplier* 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

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

## Acceptance

By signing this part of this Form of Offer and Acceptance, the Purchaser identified below accepts the tenderer's Offer. In consideration thereof, the Purchaser shall pay the Supplier 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 Purchaser 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: Goods Information including Supply Requirements

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 Purchaser 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 Purchaser'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.

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

Signature(s)

Name(s)

Capacity

Power Station Manager

for the  
Purchaser

**Eskom Holding SOC Ltd, Kusile Power Station, R545 Kendal/Balmoral  
Hartebeesfontein Farm, Witbank**

*(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.

## Schedule of Deviations to be completed by the *Purchaser* 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 Purchaser 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 Purchaser 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 Purchaser 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.



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*For the tenderer:*

*For the Purchaser*

Signature

Name

Capacity

On behalf  
of

*(Insert name and address of organisation)*

**Power Station Manager**

**Eskom Holding SOC Ltd, Kusile Power  
Station, R545 Kendal/Balmoral  
Hartebeesfontein Farm, Witbank**

Name &  
signature  
of witness

Date

## C1.2 SC3 Contract Data

### Part one - Data provided by the *Purchaser*

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		X17: Low performance damages
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) <sup>2</sup>	
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state-owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	[●]
	Fax No.	[●]

<sup>2</sup> Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902, [www.ecs.co.za](http://www.ecs.co.za).

10.1	The <i>Supply Manager</i> is (name):	[●]
	Address	[●]
	Tel	[●]
	Fax	[●]
	e-mail	[●]
11.2(13)	The <i>goods</i> are	<b>SUPPLY AND DELIVERY OF ELECTRICAL GENERAL CONSUMABLE SPARES</b>
11.2(13)	The <i>services</i> are	<b>Delivery of spares to site</b>
11.2(14)	The following matters will be included in the Risk Register	<b>1. Late deliveries</b> <b>2. Components becoming obsolete due to rapid change in technology</b> <b>3. Offloading of goods at site</b> <b>4. Industrial Actions</b> <b>5. Community Strikes</b> <b>6. Goods Quality problems</b>
11.2(15)	The Goods Information is in	<b>Part 3: Scope of Work and all documents and drawings to which it makes reference.</b>
11.2(15)	The Supply Requirements as part of the Goods Information is in	<b>Annexure A to this Contract Data</b>
12.2	The <i>law of the contract</i> is the law of	<b>the Republic of South Africa</b>
13.1	The <i>language of this contract</i> is	<b>English</b>
13.3	The <i>period for reply</i> is	<b>Five (5) working days</b>

## 2 The *Supplier's* main responsibilities

Data required by this section of the core clauses is provided by the *Supplier* in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.

## 3 Time

30.1	The <i>starting date</i> is.	TBC	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<b><i>goods and services</i></b>	<b><i>delivery date</i></b>
		1 Supply and Delivery of Electrical General Consumable Spares	Task Order
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.		
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	Two (2) weeks after the kick – off meeting	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	One (1) Month	

## 4 Testing and defects

42	The <i>defects date</i> is	Fifty – two (52) weeks after Delivery.	
43.2	The <i>defect correction period</i> is	Within two (2) weeks after Purchasers notification of a defect	
	except that the <i>defect correction period</i> for	Documentation is two (2) week	

	and the <i>defect correction period</i> for	<b>N/A</b>
42.2	The <i>defects access period</i> is	<b>Two (2) days</b>
	except that the <i>defect access period</i> for	<b>N/A</b>
	and the <i>defect access period</i> for	<b>N/A</b>
<b>5</b>	<b>Payment</b>	
50.1	The <i>assessment interval</i> is	<b>between the 25th day of each successive month.</b>
51.1	The <i>currency of this contract</i> is the	<b>South African Rand</b>
51.2	The period within which payments are made is	<b>Thirty (30) days.</b>
51.4	The <i>interest rate</i> is	<b>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.</b>
<b>6</b>	<b>Compensation events</b>	<b>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.</b>
<b>7</b>	<b>Title</b>	<b>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.</b>
<b>8</b>	<b>Risks, liabilities, indemnities and insurance</b>	
80.1	These are additional <i>Purchaser's</i> risks	<b>None</b>

88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	<b>R0.0 (zero Rand)</b>
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	<p><b>(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event</b></p> <p><b>and</b></p> <p><b>(2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date</b></p>
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	<b>Contractor shall be liable to any damaged caused to Employers property, equipment, material and plant. Contractor shall be accountable for 25% of the damages caused per incident to a maximum of R25 000 000.</b>
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	<b>Contractor shall be liable to any damaged caused to Employers property, equipment, material, and plant. Contractor shall be accountable for 25% of the damages caused per incident to a maximum of R25 000 000.</b>
88.5	The <i>end of liability date</i> is	<b>Two 2 years after Delivery of the whole of the <i>goods and services</i>.</b>

## 9 Termination and dispute resolution

94.1	The <i>Adjudicator</i> is	<b>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 <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a>). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).</b>
	Address	<b>[●]</b>
	Tel No.	<b>[●]</b>
	Fax No.	<b>[●]</b>
	e-mail	<b>[●]</b>
94.2(3)	The <i>Adjudicator nominating body</i> is:	<b>the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a>)</b>
94.4(2)	The <i>tribunal</i> is:	<b>arbitration</b>
94.4(5)	The <i>arbitration procedure</i> is	<b>the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.</b>
94.4(5)	The place where arbitration is to be held is	<b>[●] South Africa</b>
	The person or organisation who will choose an arbitrator	
	<ul style="list-style-type: none"> <li>- if the Parties cannot agree a choice or</li> <li>- if the arbitration procedure does not state who selects an arbitrator, is</li> </ul>	<b>the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.</b>

## 10 Data for Option clauses

X1	Price adjustment for inflation	Prices will be fixed for Twelve (12) Months of the contract and CPA is applicable as from the thirteen (13) Month of the Contract		
X1.1	The <i>base date</i> for indices is  The proportions used to calculate the Price Adjustment Factor are:	A month before tender closing date.  proportion  0.15  1.00	linked to index for  non-adjustable	Index prepared by
X2	Changes in the law			
X2.1	A change in the law of	The republic of South Africa is a compensation event if it occurs after the Contract Date		
X7	Delay damages			
X7.1	Delay damages for Delivery are	Supply and Delivery of  Supply and delivery of Electrical General Consumable Spares	amount per day  Delay damages of 1 (one) % of the P.O value per day up to a maximum of 10% of the Purchase Order value for late deliveries will apply.	
X17	Low performance damages			



X17.1	<p>The amounts for low performance damages are:</p> <p><b>amount</b></p> <p><b>1 % per total value of the Purchase order(s).</b></p> <p><b>Limited to 10% of the total value of the Purchase Order(s) of the spares</b></p>	<p><b>performance level</b></p> <p><b>for:</b></p> <p><b>1. For delivery of goods that does not meet the quality requirements</b></p>
	<p><b>Z</b>      <b>The additional conditions of contract are</b></p> <p><b>Z1 to Z15 always apply for Eskom</b></p>	

**Z1      Cession delegation and assignment**

- Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*.
- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* 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 *Supplier* 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 *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

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

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the *Purchaser* may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.
- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* 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 *Supplier* 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 *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time).

Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.

Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.

Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* 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 *Supplier* 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 *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.

Z4.5 The *Supplier* 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 *Supply Manager* or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

**Z6 Health, safety and the environment: Add to core clause 25.4**

Z6.1 The *Supplier* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the provision of the *goods* and execution of the *services*.

Without limitation the *Supplier*:

- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with 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 supply and

- undertakes, in and about the execution of the supply, to comply 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 *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Supplier*, in and about the execution of the supply, 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 *Supplier'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 *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.

Z7.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z7.3 The *Supplier* (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 *Purchaser'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 the words, "unless the event arises from the *Supply Manager* giving an instruction, changing an earlier decision or correcting an assumption".

**Z9 Purchaser's limitation of liability**

Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)

Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser'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 *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services 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 *Supplier* 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 *Supplier*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,

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

<b>Fraudulent Action</b>	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,
<b>Obstructive Action</b>	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
<b>Prohibited Action</b>	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 *Purchaser* may terminate the *Supplier's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Purchaser* 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 *Purchaser* can terminate the *Supplier's* obligation to Provide the Services for this reason.

Z12.3 If the *Purchaser* terminates the *Supplier'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 *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* 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 *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the

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*starting date* until the last *defects date* or a termination  
certificate has been issued.

**INSURANCE TABLE A**

<b>Insurance against</b>	<b>Minimum amount of cover or minimum limit of indemnity</b>
Loss of or damage to the goods, plant and materials	<p>The replacement cost where not covered by the <i>Purchaser's</i> insurance.</p> <p>The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.</p>
Liability for loss of or damage to property (except the goods, plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i> ) caused by activity in connection with this contract	<p><b><u>Loss of or damage to property</u></b></p> <p><u><i>Purchaser's</i> property</u></p> <p>The replacement cost where not covered by the <i>Purchaser's</i> insurance.</p> <p>The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.</p> <p><u>Other property</u></p> <p>The replacement cost</p> <p><b><u>Death of or bodily injury</u></b></p> <p>The amount required by the applicable law.</p>
Liability for death of or bodily injury to employees of the <i>Supplier</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:**



**Insurance by  
the Purchaser**

87

87.1 The *Purchaser* provides the insurances stated in the Insurance Table B

**INSURANCE TABLE B**

<b>Insurance against or name of policy</b>	<b>Minimum amount of cover or minimum limit of indemnity</b>
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**

- Z14.1 The *Purchaser* 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 *Purchaser* is solely responsible for and indemnifies the *Supplier* or any other person against any and all liabilities which the *Supplier* 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 *Supplier* or any other person or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.3 Subject to clause Z14.4 below, the *Purchaser* 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 *Supplier* or any other person, or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.4 The *Purchaser* 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:

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

Z15.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* 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 *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are effected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier'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 *Purchaser* 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 *Supplier'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 *Supplier* 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.
- Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Purchaser* at the *Purchaser's* expense, and conducted in line with South African legislation.

## Annexure A: Supply Requirements

*[Notes: The example given in the NEC3 Supply Contract Guidance Notes pages 15 to 20 inclusive is based on Incoterms 2000. However users will probably wish to use Incoterms 2010 which the details below are based on. Users may need to adjust the information to comply with actual requirements. First decide whether Incoterms will be used or not, then delete the arrangement below which does not apply and delete these notes]*

## The Supply Requirements for this contract are based on the use of INCOTERMS:

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010<sup>3</sup> as follows:

<sup>3</sup> International Chamber of Commerce, Incoterms 2010, Paris, January 2011

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[Select the group and then term within the group which applies and state the applicable delivery place. Delete all the other groups and this note]

Group	Category	Term	Delivery Place
E	departure	EXW	
F	main carriage unpaid	FCA, FAS, FOB	
C	main carriage paid	CFR, CIF, CPT, CIP	
D	arrival	DAT, DAP, DDP	

The Parties obligations described in Incoterms for the category and term selected are now incorporated into this contract as part of the Supply Requirements and hence the Goods Information.

The obligations of seller and buyer for the selected Incoterm determine each Party's costs, risks and insurance requirements incidental to the supply and transport of the *goods* from *Supplier* to *Purchaser*.

For each of the thirteen terms, Incoterms set out obligations of the seller (the *Supplier*) in ten paragraphs identified as A1 to A10 and the corresponding obligations of the buyer (the *Purchaser*) in paragraphs B1 to B10. These obligations cover the following subjects:

A	The <i>Supplier's</i> obligations	B	The <i>Purchaser's</i> obligations
A1	Provision of goods in conformity with contract	B1	Payment of the price
A2	Licences, authorisations and formalities	B2	Licences, authorisations and formalities
A3	Contracts of carriage and insurance	B3	Contracts of carriage and insurance
A4	Delivery	B4	Taking delivery
A5	Transfer of risks	B5	Transfer of risks
A6	Division of costs	B6	Division of costs

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<b>A7</b>	Notice to the buyer	<b>B7</b>	Notice to the seller
<b>A8</b>	Proof of delivery, transport document or equivalent electronic message	<b>B8</b>	Proof of delivery, transport document or equivalent electronic message
<b>A9</b>	Checking - packing - marking	<b>B9</b>	Inspection of goods
<b>A10</b>	Other obligations	<b>B10</b>	Other obligations

*[Should there be a need to amplify any of the published obligations listed above for the chosen INCOTERM, add them here.]*

All other information NOT pertinent to the above is given in the balance of the Goods Information

## The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

<b>1. The requirements for the supply are</b>	<ul style="list-style-type: none"> <li>- No compensation is payable if the Supplier arrives on site without prior arrangement with Purchaser.</li> <li>- All goods shall be delivered to the main stores.</li> <li>- The Purchaser has the right to refuse acceptance of any consumables which in the opinion of the Purchaser, does not meet the requirements specified and will have a detrimental effect on equipment/ plant performance.</li> <li>- The Supplier ensures that all items to be supplied are to the standard and quality accepted by the Purchaser and ensures that they are suitable for the purpose intended for by the manufacturer.</li> <li>- Material (TEST) certificates as well as complete data packs will be submitted with all the electrical general consumable spares that will be delivered on site.</li> <li>- The Supplier shall have no claim against the Purchaser in respect of delay due to the above constraints</li> </ul> <p>As business requirements might change in future, items that are not listed on the price list might be procured via this contract. The Supplier will use the same pricing strategy for unlisted items as was used for listed items.</p>	
<b>2. The requirements for transport are</b>	Supplier is responsible for transporting the goods to the delivery place	
<b>3. The delivery place is</b>	Kusile Power Station – Main Stores	
<b>4. Actions of the Parties during supply</b>	<b>Action</b>	<b>Party which does it</b>
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Purchaser

	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	Purchaser
<b>For international procurement</b>	Undertake export requirements	
	Undertake import requirements	
<b>5. Information to be provided by the <i>Supplier</i></b>	<b>Title of document</b>	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
<b>For international procurement</b>	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

All other information NOT pertinent to the above is given in the balance of the Goods Information

## C1.2 Contract Data

### Part two - Data provided by the *Supplier*

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

Whenever a cell is shaded in the left-hand column it denotes this data is optional and would be required in relation to the option selected. In the event that the option is not required select and delete the whole row.]

#### Notes to a tendering supplier:

1. Please read both the NEC3 Supply Contract (SC3)<sup>4</sup> and the relevant parts of its Guidance Notes (SC3-GN)<sup>5</sup> in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left-hand column for each statement however other clauses may also use the same data
3. Where a form field like this [ ] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise, complete by hand and in ink.

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

Clause	Statement	Data
10.1	The <i>Supplier</i> is (Name):  Address  Tel No.	

<sup>4</sup> Either April 2013 or December 2009 Edition as stated by *Purchaser* in Contract Data part 1.

<sup>5</sup> Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or [www.ecs.co.za](http://www.ecs.co.za)



Fax No.

11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:														
11.2(11)	The tendered total of the Prices is <b>R</b> , (in words)														
11.2(12)	The <i>price schedule</i> is in:														
11.2(14)	The following matters will be included in the Risk Register														
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are														
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is: <table border="1"> <thead> <tr> <th></th> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>[●]</td> <td>[●]</td> </tr> <tr> <td>2</td> <td>[●]</td> <td>[●]</td> </tr> <tr> <td>3</td> <td>[●]</td> <td>[●]</td> </tr> </tbody> </table>				<i>goods and services</i>	<i>delivery date</i>	1	[●]	[●]	2	[●]	[●]	3	[●]	[●]
	<i>goods and services</i>	<i>delivery date</i>													
1	[●]	[●]													
2	[●]	[●]													
3	[●]	[●]													
31.1	The programme identified in the Contract Data is contained in:														

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## Part 2: Pricing Data

### NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	【●】

C2.1 Pricing assumptions

How *goods* and *services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.  (12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	<p>The amount due is</p> <ul style="list-style-type: none"><li>the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed,</li><li>where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate,</li><li>plus, other amounts to be paid to the <i>Supplier</i>,</li><li>less amounts to be paid by or retained from the <i>Supplier</i>.</li></ul> <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

## Function of the Price Schedule

Clause 53.1 states: “Information in the Price Schedule is not Goods Information”. This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, “The *Supplier* Provides the Goods and Services in accordance with the Goods Information”. Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

## Preparing the *price schedule*

Items in the *price schedule* may have been inserted by the *Purchaser*, and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*.
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk.
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule* across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices.
- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

## Format of the *price schedule*

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

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

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

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

## C2.2 the *price schedule*

ITEM NO	EQUIPMENT DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Item 1				
1	PRELIMINARIES AND GENERAL				
1.1	Safety File	Once off	1		
1.2	Delivery to Site (4 Ton truck)	Km	6000		
	Sub-Total for Item 1 (Preliminaries and General) carried to Final Summary				
2	ITEM 2				
2.1	ELECTRICAL CONSUMABLES SPARES				
	Supply and Delivery of Electrical General Consumables Spares	Item	1.00		
	Sub-Total for Item 2 (Supply of Electrical Consumables Spares) carried to Final Summary				
	FINAL SUMMARY				
ITEM 1	PRELIMINARIES AND GENERAL				
ITEM 2	SUPPLY AND DELIVERY OF ELECTRICAL GENERAL CONSUMABLES SPARES				
	TOTAL AMOUNT (Excl VAT)				

ITEM NO	MATERIAL NO	EQUIPMENT DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	0144652	BATTERY, DRY CELL: MATERIAL: ALKALINE; POTENTIAL: 1.5 VDC; DIMENSIONS: D; CONNECTION: FLAT TERMINALS; SUPPL P/N: MN1300; REFERENCE NO: LR20; AMP HOUR 1300MIN, SAFETY DATA SHEETS REQUIRED ON DELIVERY HAZARDOUS SUBSTANCES; THIS PRODUCT IS CLASSIFIED AS A HAZARDOUS SUBSTANCE AND SAFETY BROCHURES MUST ACCOMPANY DELIVERY; IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT (OHSA) ACT85 OF 1993 SECTION 10 AND 11	No	500		
2	0643367	BREAKER, CIRCUIT, LOW VOLTAGE: TYPE: MCB; POLES: 2; CURRENT RATING: 4 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 15 KA; APPLICATION: LV SWITCHGEAR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	150		
3	0607755	FUSE, CARTRIDGE: CURRENT: 100 A; POTENTIAL: 690 VAC; CONNECTION TYPE: CLIP IN; DIMENSIONS: WD 97 X LG 130 X HT 50 MM; CASE MATERIAL: CERAMIC; SPECIFICATION: IEC 269; OEM P/N: 3NE1021-0	No	90		
4	0623493	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 500 VDC; CONNECTION TYPE: PUSH IN; DIMENSIONS: DIA 22 X LG 58 MM; INTERRUPT CAPACITY: 120 KA; TYPE: CYLINDRICAL; CASE MATERIAL: CERAMIC; SPECIFICATION: EN60289; IEC 60289; SUPPL P/N: 440104; WITH INDICATOR; CLASS: GG	No	90		
5	0647010	FUSE, CARTRIDGE: CURRENT: 125 A; POTENTIAL: 500 VDC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 31 X LG 92.2 MM; CASE MATERIAL: CERAMIC; SPECIFICATION: A50QS; SUPPL P/N: A50QS125-4	No	90		
6	0626281	FUSE: TYPE: CYLINDRICAL; CURRENT: 8 A; MATERIAL: CERAMIC; POTENTIAL: 500 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 10 X LG 38 MM; SUPPL P/N: 420008	No	90		
7	0584283	LINK, FUSE: TYPE: SEMICONDUCTOR PROTECTION; CURRENT: 125 A; POTENTIAL: 690; SPECIFICATION: IEC269; MANUF P/N: 3NE1022-0; OPERATING CLASS: G5; SWITCHING CAPACITY CURRENT: 100KA; ACTIVE POWER LOSS: 11W PER POLE	No	120		
8	0583338	MONITOR: TYPE: CONSUMPTION; RANGE: 0-1200KV/0-120KA; POWER SOURCE: 400V/1A; 5A/200MV; MANUF P/N: 7KM2112-OABOO-3AAO	No	15		
9	0642268	MOTOR, BRAKE: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 14.8 A; POTENTIAL: 400 VAC; PHASE: 3; CLASSIFICATION: ZONE 21; REFERENCE NO: 1017117284; SUPPL P/N: 1141C120; PROTECTION: IP65; EXTDA21; BRAKE TO HAVE LIMIT SWITCHVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE	No	15		



		PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
10	0124107	PLUG, ELECTRICAL: TYPE: WELDING; POLE: 4; WIRE: 4; POTENTIAL: 380 VAC; CURRENT: 63 A; SUPPL P/N: 203646; MALE; MATERIAL PLASTIC; TOTAL 5 PINS; 50HZ	No	72		
11	0123796	PLUG, ELECTRICAL: TYPE: TOP; POLE: 3; WIRE: 3; POTENTIAL: 250 VAC; CURRENT: 16 A; REFERENCE NO: PT/LX16A2P/PVCR, UNK; WIRING DEVICE; TO BE SECURED BY SCREWS AND NOT SNAPPED; SABS APPROVED; SCREWLESS CORD GRIP	No	78		
12	0580241	PROTECTOR: TYPE: SURGE ARRESTOR; MANUF P/N: BR6; ELECTRICAL RATING: 400V, 25KA	No	45		
13	0190247	RELAY, CONTROL: CONTACT RATING: 1-250 V 5 A 0.1 MA; COIL VOLTAGE: 24 VAC/DC; REFERENCE NO: 3TX7002-1FB02	No	201		
14	0575163	RELAY, CONTROL: CONTACT RATING: 10A; CONTACT ARRANGEMENT: 3 CHANGE OVER; COIL VOLTAGE: 24 VDC; ACTION: 6, 3; MOUNT: RAIL; TERMINAL: SCREW; ENCLOSURE RATING: IP50; TYPE: PLUG IN; MANUF P/N: LZX; PT370024	No	60		
15	0246124	RELAY, OVERLOAD: TRIP RANGE: 11-16 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTOMATIC/MANUAL; MOUNT: DIRECT; APPLICATION: CONTACTOR MOTOR STARTER 3RT1; SUPPL P/N: 3RU1126-4ABO	No	18		
16	0239137	RELAY: TYPE: INTERPOSING; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 230 VAC 10 A; TERMINAL: 11 PIN; MOUNT: PANEL; CONTACT MATERIAL: STL; DRAWING NO: K2F/G/H REV 1; REFERENCE NO: 60.13.9.024.00.40, UNK; CLOSED ENCLOSURE, ALARM INDICATOR	No	36		
17	0583384	RELAY: TYPE: UNDERVOLTAGE; COIL VOLTAGE: 230 V; CONTACT RATING: 6 A; ACTION: 3P; TERMINAL: 5 TOP/ 5 BOTT/ SCREW; MOUNT: RAIL; MANUF P/N: BA9043/002; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	35		
18	0653638	STARTER, LAMP: LAMP STYLE: FLUORESCENT; POTENTIAL: 230 VAC; POWER: 24 W; QUICKTRONIC DALI DIM T5-ECG DIMMABLE DAL FOR FL 16MM; PART NO: QT1-DALI-2X28/S4DIM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	35		

19	0631040	SWITCH, PUSHBUTTON: HEAD STYLE: FLAT RD BUTTON; COLOR: BLACK/RED; ELECTRICAL RATING: 400 VAC 10 A; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: FRONT; SIZE: DIA 22 MM; APPLICATION: LOCAL START SWITCH; HOUSING: PLASTIC MOLDED; PART NO: 3SB3201-0AA21; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	72		
20	0631039	SWITCH, PUSHBUTTON: HEAD STYLE: FLAT RD BUTTON; COLOR: BLACK/GREEN; ELECTRICAL RATING: 400 VAC 10 A; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: FRONT; SIZE: DIA 22 MM; APPLICATION: LOCAL STOP SWITCH; HOUSING: PLASTIC MOLDED; PART NO: 3SB3201-0AA41; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	72		
21	0626296	THERMOSTAT: TYPE: VIGITHERME; RANGE: -40 TO 180 DEG C; POTENTIAL: 250 VAC; CURRENT: 6 A; PART NO: M16; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	72		
22	0642413	TRANSFORMER, POWER: APPARENT POWER: 200 KVA; POTENTIAL: 6.6/0.4 KV; CURRENT: 288/19 A; IMPEDANCE: 4.82 OHM; VECTOR GROUP: DYN11; FREQUENCY: 50 HZ; TAPPING: 5; TYPE: DRY; NON SPARKING FOR ZONE21; HAZARDOUS CERTIFICATE TO BE PROVIDED ON EACH DELIVERY; SERIAL NO: 1N13022087; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	5		
23	0644931	TRANSFORMER: TYPE: PRIMARY/SECONDARY POWER SUPPLY; CURRENT: 0.035 A; POTENTIAL: 0-100/0-18 VDC; HV/MV APPLICATIONS; SERIAL NO: 0301591; PART NO: 1G-AVRI-TRANS/100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	15		
24	0238543	UNIT, CONTROL: SUPPL P/N: 1MRS090418 - AA; TYPE REA 105; USE WITH ARC PROTECTION RELAY AS A SYSTEM	No	30		
25	0583396	BASE, RELAY: TYPE: PLUG IN; WIDTH: 28 MM; MATERIAL: PLASTIC; MANUF P/N: LZS:PT78730; WITH 3 CHANGEOVER CONTACTS; SCREW TYPE TERMINAL	No	33		
26	0583397	BASE, RELAY: TYPE: STAND ALONE; WIDTH: 45 MM; HEIGHT: 87 MM; MATERIAL: PLASTIC; MANUF P/N: 3RU2916-3AA01; CREW TYPE TERMINAL	No	33		
27	0583398	BASE, RELAY: TYPE: STAND ALONE; WIDTH: 45 MM; HEIGHT: 97 MM; MATERIAL: PLASTIC; MANUF P/N: 3RU1926-3AA01; SCREW TYPE TERMINAL	No	33		

28	0673847	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIX; TYPE: AIR CB; POLES: 3; CURRENT RATING: 630 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 1000 V; IMPULSE WITHSTAND VOLTAGE: 55 KV; SHORT TIME CURRENT: 7560 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; POLLUTION CLASS: 3; SPECIFICATION: IEC 60947-2; APPLICATION: MOTOR CONTROL CENTER RADIAL STACKER; PROTECTION: IP20+LSING; SUPPL P/N: 3WL1106-2FG32-1AA24GN; SUPPLY WITH ELECTRONIC TRIP UNIT ETU45-LSING-0-4-1A; WITH PROBUS COMMUNICATION MODULE	No	33		
29	0581969	BREAKER, CIRCUIT: POTENTIAL: 690 V; CURRENT: 1.6 KA; POLE: 3; FRAME: WCB/GUIDE; HEIGHT: 465.5 MM; TYPE: AIR; MOUNT: DRAWER; INTERRUPT CAPACITY: 55 KA; MANUF P/N: 3WL1116-2CB36-6GA4-Z740; 3WL1116-2CB36-6GA4-Z740+R21+C20+C22+K07+R15	No	33		
30	0575250	EARTH LEAKAGE: TYPE: UNIT; CURRENT: 63 MA; POTENTIAL: 400 VAC; POLE: 3; LEAKAGE CURRENT: 30 MA; MANUF P/N: 5SM1346-0	No	43		
31	0251421	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 6 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SX4106-7RC	No	50		
32	0251422	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 10 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SX4110-7RC	No	72		
33	0251423	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 16 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SX4116-7RC	No	140		
34	0251425	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 32 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SX4132-7RC	No	31		
35	0251432	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 32 A; POLE: 3; TYPE: MINIATURE; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SX4332-7RC	No	201		
36	0581985	BREAKER, CIRCUIT: POTENTIAL: 240 VAC; CURRENT: 6 A; POLE: 2; TYPE: MCB; INTERRUPT CAPACITY: 10 KA; MANUF P/N: 5SX4206-7RC	No	76		
37	0581987	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 20 A; POLE: 2; TYPE: MCB; INTERRUPT CAPACITY: 10 KA; MANUF P/N: 5SX4220-7RC	No	201		
38	0581988	BREAKER, CIRCUIT: POTENTIAL: 240 VAC; CURRENT: 25 A; POLE: 2; TYPE: MCB; INTERRUPT CAPACITY: 10 KA; MANUF P/N: 5SX4225-7RC	No	76		

39	0581989	BREAKER, CIRCUIT: POTENTIAL: 400 VAC; CURRENT: 63 A; POLE: 4; TYPE: MCB; INTERRUPT CAPACITY: 10 KA; MANUF P/N: 5SX4463-7RC	No	201		
40	0639472	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL 35 MM; TYPE: MCB; POLES: 2; CURRENT RATING: 10 A; VOLTAGE PROTECTION LEVEL: 4 KVAC; RATED INSULATION VOLTAGE: 400 VAC; IMPULSE WITHSTAND VOLTAGE: 440 VAC; SHORT TIME CURRENT: 10.5 A; POLLUTION CLASS: 3; SPECIFICATION: IEC 60947-2; APPLICATION: LINE PROTECTION; PROTECTION: TYPE K; SUPPL P/N: S20M-K10UC, 2CDS272061R0427	No	201		
41	0575245	SHUNT: TYPE: RELEASE; RATING: 230 VAC; MANUF P/N: 3VL9400-1ST00; ACCESSORY FOR VL160X, VL160, VL250 AND VL40D; 208-277 VAV; RIGHT POLE ONLY VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	76		
42	0575238	CONTACTOR: TYPE: INSTA; LINE VOLTAGE: 440 VAC; COIL VOLTAGE: 230 V; CURRENT: 24 A; POLE: 4; ENCLOSURE RATING: IP20; CONTACT ARRANGEMENT: 4NO; MANUF P/N: 5TTS730-0 AC1	No	69		
43	0575243	CONTACTOR: LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 230 V; CURRENT: 7 A; POLE: 3; CONTACT ARRANGEMENT: 1NO 2NC; MANUF P/N: 3RT2015-1AP01	No	193		
44	0635532	TRANSFORMER, POTENTIAL: TYPE: VOLTAGE CONTROL; PHASE: 3; INPUT POTENTIAL: 400 VAC; OUTPUT POTENTIAL: 110 VAC; BURDEN: 50 VA; CREEPAGE: 2 MM; POTENTIAL: 400-110 VAC; WINDING TYPE: Y-Y; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	65		
45	0708415	TRANSFORMER, CURRENT: POTENTIAL: 400 V; CURRENT: 600 A; SHORT CIRCUIT CURRENT: 24 KA; CORE TYPE: 2P TPY; CREEPAGE: 57 MM; APPARENT POWER: 10 VA; PHASE: 1; STYLE: ROUND SHAPED CORE; COOLING TYPE: NATURAL AIR; INCLOSURE TYPE: IP55; WINDING MATERIAL: COPPER; CURRENT RATIO: 600/1; TYPE: RING; CLASS: 5P20; SUPPL P/N: 1600CT	No	76		
46	0575275	MODULE, COMMUNICATION: TYPE: CURRENT; OUTPUT: 20-200 A; APPLICATION: SWITCHGEAR; SPECIFICATION: IGC60947-1; MANUF P/N: 3UF7103-1BA00-0; OVERALL WIDTH: 120MM; BUSBAR CONNECTION; CLASS A; OPERATING VOLTAGE: 110-690V	No	76		
47	0117766	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 550 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 14 X LG 60 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SPECIFICATION: BS 88; IEC 269-1; SUPPL P/N: NSD4; REFERENCE NO: 5008601-4; HRC; CATEGORY GG; SIZE: F1	No	76		

48	0575242	FUSE, CARTRIDGE: CURRENT: 6 A; POTENTIAL: 500 VAC; CONNECTION TYPE: SCREW; DIMENSIONS: 21 X 54 MM; TYPE: LV HRC FUSE LINK; MANUF P/N: 3NA3801	No	40		
49	0575262	FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 690 VAC; CONNECTION TYPE: SCREW; DIMENSIONS: 58 X 74 MM; TYPE: LV HRC FUSE LINK; MANUF P/N: 3NA3252	No	32		
50	0583348	FUSE, CARTRIDGE: CURRENT: 250 A; POTENTIAL: 690VAC/250VDC; CONNECTION TYPE: CLIP IN; DIMENSIONS: SIZE1 MM; INTERRUPT CAPACITY: 71 KA; TYPE: NH1; MANUF P/N: 3NE1227-0	No	33		
51	0583349	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 600 V; CONNECTION TYPE: RAIL; DIMENSIONS: DIA 10 X LG 38 MM; TYPE: CYLINDRICAL; MANUF P/N: 3NW7013 32A	No	33		
52	0583376	FUSE: TYPE: HRC; CURRENT: 10 A; POTENTIAL: 550 VAC; CONNECTION: OFFSET TAG; DIMENSIONS: DIA 13.8 X LG 58.7 MM; MANUF P/N: NSD10	No	61		
53	0583377	FUSE: TYPE: HRC; CURRENT: 16 A; POTENTIAL: 550 VAC; CONNECTION: OFFSET TAG; DIMENSIONS: DIA 13.8 X LG 58.7 MM; MANUF P/N: NSD16	No	61		
54	0626261	FUSE, CARTRIDGE: CURRENT: 160 A; POTENTIAL: 690 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 29 X LG 134 X HT 47 MM; INTERRUPT CAPACITY: 80 KA; TYPE: LV HRC; CASE MATERIAL: CERAMIC; SPECIFICATION: NH1; SUPPL P/N: 377255	No	33		
55	0555373	SWITCH, DISCONNECT: POTENTIAL: 400 VAC; CURRENT: 125 A; ACTION: 3P; CONTACT RATING: 125 A; MOUNT: SURFACE; APPLICATION: SWITCHGEAR; MANUF P/N: 3KL5230-1GB01; INCLUDING 8UC7 DOOR COUPLING ROTARY OPERATING MECHANISM; 3 POLE; FOR LV HRC FUSES; SIZE: 00&000; OPERATIONAL CLASS: GG; WEIGHT: 2.414 KG	No	20		
56	0583375	FUSE: TYPE: HRC; CURRENT: 6 A; POTENTIAL: 550 VAC; CONNECTION: OFFSET TAG; DIMENSIONS: DIA 13.8 X LG 58.5 MM; SPECIFICATION: BS55; IEC 269-1; MANUF P/N: NSD6; CATEGORY GG; SIZE: F1	No	23		
57	0625894	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 550 V; CONNECTION TYPE: OFFSET BLADE TAGS; DIMENSIONS: DIA 13.8 X LG 58.7 MM; INTERRUPT CAPACITY: 80 KA; TYPE: HRC; CASE MATERIAL: CERAMIC; SPECIFICATION: NSD2; REFERENCE NO: NSD2; SUPPL P/N: NSD2	No	33		
58	0583362	HOLDER, FUSE: POTENTIAL: 660 V; CURRENT: 32 A; FUSE SIZE: DIA 17.5 X LG 58.5 MM; FUSE STYLE: OFFSET TAGS; MOUNT: DIN RAIL/PANEL; TYPE: SAFELOC; MANUF P/N: 32NNSFBS; FUSE LINK: NSD	No	76		
59	0583335	LIGHT, INDICATING: TYPE: INTERGRATED LED; POTENTIAL: 24 VAC/DC; POWER: 2; COLOR: RED; TERMINAL: SCREW; LENS MATERIAL: PLASTIC; MANUF P/N: 3SB3644-6BA20	No	46		

60	0595908	CHOKE, ELECTRICAL: FUNCTION: COMMUTATING; POTENTIAL: 380-600 V; POWER: 280-360 W; CURRENT: 151 A; CONNECTION: M8 STUD BOLT; OEM P/N: 6SE6400-3CC11-2FD0; MICRO MASTER 4; STANDALONE FSF-0.15MH; CLASS IP00; WIDTH: 240MM; HEIGHT: 228MM; WEIGHT: 25KG	No	133		
61	0659253	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE CIRCUIT BREAKER; POLES: 3; CURRENT RATING: 0.55-0.8 A; VOLTAGE PROTECTION LEVEL: 6000 VAC; RATED INSULATION VOLTAGE: 690 VAC; IMPULSE WITHSTAND VOLTAGE: 6000 VAC; SHORT TIME CURRENT: 100 KA; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; POLLUTION CLASS: 3; SPECIFICATION: IEC 60947-2; APPLICATION: MOTOR PROTECTION SWITCHGEARS; PROTECTION: CL.10; SUPPL P/N: 3RV2011-0HA10; SIZE: S00	No	43		
62	0671106	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINI; CONTROL VOLTAGE: 400 VAC; POLES: 2; CURRENT RATING: 16 A; VOLTAGE PROTECTION LEVEL: 400 V; RATED INSULATION VOLTAGE: 440 V; IMPULSE WITHSTAND VOLTAGE: 440 V; SHORT TIME CURRENT: 5 KA DC; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 5 KA; POLLUTION CLASS: 2; SPECIFICATION: EN60898-2; APPLICATION: PROTECTION; PROTECTION: OVERLOAD, SHORT CIRCUIT; MANUF P/N: 5SJ7216-7CC20; 220 VAC SPACE HEATER SUPPLY	No	16		
63	0673841	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN; TYPE: THERMAL OVERLOAD; POLES: 3; CURRENT RATING: 3.2 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 690 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 3.2 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20; SPECIFICATION: DIN EN 60715; APPLICATION: MOTOR; PROTECTION: MOTOR; SUPPL P/N: 3RV2011-1DA15	No	33		
64	0673711	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: THERMAL OVERLOAD; POLES: 3; CURRENT RATING: 12.5 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 690 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 163 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20; SPECIFICATION: DIN EN 60715; APPLICATION: MOTOR; PROTECTION: MOTOR; SUPPL P/N: 3RV2021-1KA15	No	16		
65	0642431	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MCB; POLES: 1; CURRENT RATING: 6 A; VOLTAGE PROTECTION LEVEL: 230 VAC; RATED INSULATION VOLTAGE: 600 V; IMPULSE WITHSTAND VOLTAGE: 480 V; SHORT TIME CURRENT: 4.5 KA; POLLUTION CLASS: 2; SPECIFICATION: IC60A; APPLICATION: COMMERCIAL; PROTECTION: A; SUPPL P/N: A9F64106	No	20		

66	0673846	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: THERMAL OVERLOAD; POLES: 3; CURRENT RATING: 0.2 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 690 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 2.6 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20; SPECIFICATION: DIN EN 60715; APPLICATION: MOTOR RADIAL STACKER; PROTECTION: MOTOR; SUPPL P/N: 3RV2021-0BA10	No	66		
67	0581966	BREAKER, CIRCUIT: POTENTIAL: 690 V; CURRENT: 100 A; POLE: 3; WIDTH: 104.5 MM; HEIGHT: 157.5 MM; TYPE: PROTECTION; INTERRUPT CAPACITY: 55 KA; MANUF P/N: 3VL1710-1DD33-0AA0	No	23		
68	0708027	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN; TYPE: 3VL1; POLES: 3; CURRENT RATING: 63 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 800 V; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: 600 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; POLLUTION CLASS: 2; ENCLOSURE RATING: IP20; SPECIFICATION: DIN40719 EXTENDED ACCORDING TO IEC204-2, IEC750; APPLICATION: TRIP UNIT TM; PROTECTION: LINE; SUPPL P/N: 3VL1706-1DD33-0AA0	No	30		
69	0708024	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN; TYPE: 3RV2; POLES: 3; CURRENT RATING: 40 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 690 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 480 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; POLLUTION CLASS: 2; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 81346-2; APPLICATION: MOTOR PROTECTION; PROTECTION: MOTORS; SUPPL P/N: 3RV2021-4FA10	No	24		
70	0695154	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIXED; TYPE: MCCB; CONTROL VOLTAGE: 690 V; POLES: 3; CURRENT RATING: 160 A; RATED INSULATION VOLTAGE: 690 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 4800 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20; SPECIFICATION: DIN EN 81346-2; APPLICATION: MCC PANELS; PROTECTION: SHORT CIRCUIT; SUPPL P/N: 3VL2716-1AA43-0AA0; SUPPLY WITH WITH RCD 0.1A [P/N: 3VL9112-5GA30],AUX SWITCH[P/N:VL9400-1AD00]	No	24		
71	0673708	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIXED; TYPE: MCC; POLES: 3; CURRENT RATING: 315 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 800 V; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: 1575 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 55 KA;	No	24		

		ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; POLLUTION CLASS: 3; SPECIFICATION: IEC 61346-2; APPLICATION: MOTOR CONTROL CENTER; PROTECTION: IP20; SUPPL P/N: 3VL4731-1DC36-0AA0; SUPPLY WITH ELECTRONIC TRIP UNIT				
72	0675697	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIXED; TYPE: MCCB; CURRENT RATING: 200 A; SHORT TIME CURRENT: 1000-2000 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; APPLICATION: LV SWITCHGEAR; SUPPL P/N: 3VL3720-1DC36-0AA0	No	24		
73	0643352	BREAKER, CIRCUIT, LOW VOLTAGE: TYPE: MCCB; CURRENT RATING: 400 A; SHORT TIME CURRENT: 320 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 100 KA; APPLICATION: LV SWITCHGEAR; SUPPL P/N: 3VL4740-3DC36-0AB1	No	24		
74	0708026	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN; TYPE: 3VL1; POLES: 3; CURRENT RATING: 50 A; VOLTAGE PROTECTION LEVEL: 690 V; RATED INSULATION VOLTAGE: 800 V; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: 600 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 55 KA; POLLUTION CLASS: 2; ENCLOSURE RATING: IP20; SPECIFICATION: DIN40719 EXTENDED ACCORDING TO IEC204-2, IEC750; APPLICATION: TRIP UNIT TM; PROTECTION: LINE; SUPPL P/N: 3VL1705-1DD33-0AA0	No	24		
75	0690210	CONDENSER LOCAL CONTROL PANEL: 25A, 230VAC COIL, 3 PHASE, 1 NO AUX CONTACT.	No	5		
76	0693962	CONDENSER LOCAL CONTROL PANEL: 9A, 230VAC COIL, 3 PHASE, 1 NO AUX CONTACT.	No	5		
77	0576148	CONDENSER LOCAL CONTROL PANEL: PLUG IN RELAY (14 PIN FLAT), 230VAC COIL, 4CO	No	5		
78	0659623	CONDENSER LOCAL CONTROL PANEL: 14 PIN FLAT, FOR FINDER 55.34 SERIES RELAYS	No	5		
79	0693959	CONDENSER LOCAL CONTROL PANEL: PLUG IN RELAY (8 PIN FLAT), 230VAC COIL, 2CO	No	10		
80	0669492	CONDENSER LOCAL CONTROL PANEL: 8 PIN, FOR FINDER 40.52 SERIES RELAYS	No	5		
81	0643373	CONDENSER LOCAL CONTROL PANEL: MCB, 32A, 3 POLE, C-TYPE TRIP CURVE	No	2		
82	0643370	CONDENSER LOCAL CONTROL PANEL: MCB, 16A, 3 POLE, C-TYPE TRIP CURVE	No	2		
83	0643369	CONDENSER LOCAL CONTROL PANEL: MCB, 10A, 3 POLE, C-TYPE TRIP CURVE	No	2		



84	0643359	CONDENSER LOCAL CONTROL PANEL: MCB, 6A, 1 POLE, C-TYPE TRIP CURVE	No	2		
85	0694040	CONDENSER LOCAL CONTROL PANEL: 63A, 4 POLE	No	2		
86	0693955	CONDENSER LOCAL CONTROL PANEL: 230VAC COIL, 2XSPDT	No	5		
87	0672322	EXCITATION ROOM HVAC LCP: 16A, 3 POLE	No	1		
88	0694153	EXCITATION ROOM HVAC LCP: 4A, 5X20MM, GLASS CYLINDER, SPEED F	No	10		
89	0694152	EXCITATION ROOM HVAC LCP: 2A, 5X20MM, GLASS CYLINDER, SPEED F	No	10		
90	0694151	EXCITATION ROOM HVAC LCP: 1A, 5X20MM, GLASS CYLINDER, SPEED F	No	10		
91	0693963	EXCITATION ROOM HVAC LCP: 1 FUSE POLE & 1 NEUTRAL POLE, FUSE HOLDER FOR CYLINDER 10X38MM FUSES	No	2		
92	0690211	EXCITATION ROOM HVAC LCP: 240VAC/24VDC, 50W	No	2		
93	0694142	EXCITATION ROOM HVAC LCP: 230VAC/24VAC, 100VA, 1 PHASE,	No	2		
94	0694147	EXCITATION ROOM HVAC LCP: 230VAC/24VAC, 200VA, 1 PHASE	No	2		
95	0693960	EXCITATION ROOM HVAC LCP: 24VAC COIL, 4CO	No	3		
96	0693958	EXCITATION ROOM HVAC LCP: 24VAC COIL, 2CO	No	5		
97	0693961	EXCITATION ROOM HVAC LCP: 24VDC, 4 WAY	No	3		
98	0694137	EXCITATION ROOM HVAC LCP: 24VAC, RED	No	4		
99	0694134	EXCITATION ROOM HVAC LCP: 24VAC, GREEN	No	4		
100	0228412	EXCITATION ROOM HVAC LCP: 1NO	No	2		
101	0228413	EXCITATION ROOM HVAC LCP: 1NC	No	2		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

102	0644812	MIMIC MCB: 1 POLE, 0.5A, Z CURVE S281 UC-Z0.5	No	2		
103	0684862	INTERNAL VT (400/230VAC) MCB, 230VAC SIDE: 1 POLE, 1A, C CURVE S201 P-C1	No	2		
104	0684863	INTERNAL VT (400/230VAC) MCB, 400VAC SIDE: 2 POLE, 1A, K CURVE S282UC-K1	No	2		
105	0684864	TRIP 1 & 2, CLOSE & MIMIC MCB: 2 POLE, 4A, K CURVE S282 UC-K4	No	3		
106	0639473	MAIN PUMP MOTOR MCB: 2 POLE, 16A, K CURVE S282 UC-K16	No	2		
107	0684861	PHASE SEQUENCE RELAY MCB: 3 POLE, 0.5A, K CURVE S203-K0,5	No	2		
108	0644815	VT MCBS: 3 POLE, 2A, Z CURVE S203P-Z2	No	6		
109	0254589	AUXILIARY CONTACT BLOCK (VT MCB): 1NO & 1NC CONTACT, LATERAL MOUNT S2C-H11L	No	6		
110	0684857	SWITCH DISCONNECTOR (400V STANDBY BD SUPPLY): 4 POLE, 40A	No	2		
111	0682552	AUX CONTACT: 1NO & 1 NC	No	4		
112	0644813	PANEL HEATING & LIGHTING RCBO: 2 POLE (L-N), 16A, 30MA, 230VAC DS201 B16 A30	No	2		
113	0634702	CONTROL RELAY: 220VDC COIL, 2NO & 2NC CONTACTS 700-K22Z-ZA	No	4		
114	0624281	LONG TIME PUMP RUNNING CONTROL RELAY: 4NO CONTACTS,	No	2		
115	0631207	TIME DELAY RELAY (LONG TIME PUMP RUNNING & FAN CHANGEOVER): 24 - 220VAC OR VDC COIL, DPDT, 2CO CONTACTS, 0.05 SECONDS TO 60 HOURS.	No	6		

116	0617141	AUXILIARY RELAY: 11 PIN (ROUND), 220VDC COIL, 3CO, 10A CONTACT RATING @ 250VAC	No	4		
117	0635013	AUXILIARY RELAY:11 PIN (ROUND), 230VAC COIL, 3CO, 10A CONTACT RATING @ 250VAC	No	5		
118	0634676	RELAY BASE (FINDER SERIES 60 AUXILIARY RELAYS): 11 PIN (ROUND), DIN RAIL MOUNT	No	5		
119	0631209	AUXILIARY RELAY: 11 PIN (FLAT), 220VDC COIL, 3CO, 16A CONTACT RATING @ 250VAC	No	3		
120	0684855	AUXILIARY RELAY: 11 PIN (FLAT), 230VAC COIL, 3CO, 16A CONTACT RATING @ 250VAC	No	4		
121	0631221	CONTACTOR (EARTH SWITCH & DISCONNECTOR LIMIT STATUS): 220VDC COIL, 16A (7.5KW), 1NO AUX CONTACT	No	4		
122	0624278	AUXILIARY CONTACT BLOCK (CONTACTOR LIMIT SWITCH): FRONT MOUNT, 2NO & 2NC CONTACTS	No	4		
123	0638268	SURGE SUPPRESSION MODULE (CONTACTOR LIMIT SWITCH):	No	4		
124	0684845	CONTACTOR (CONTROL VOTLAGE INDICATION): 230VAC COIL, 16A (7.5KW), 1NC AUX CONTACT	No	5		
125	0631208	CURRENT RELAY (COOLER CHANGE OVER RELAY): 230VAC COIL	No	5		
126	0669888	COOLING FAN CONTACTOR: 230VAC COIL, 9A (4KW), 1NO AUX CONTACT	No	5		
127	0684854	PHASE SEQUENCE RELAY: 400VAC	No	2		
128	0152607	NUMBER OF OPERATIONS COUNTER: 6 DIGIT, 220VDC	No	2		
129	0645087	COOLING CHANGE-OVER SWITCH TIMER:	No	2		
130	0672239	COOLING FAN MOTOR CIRCUIT BREAKER: 3 POLE, 690VAC, 4KW, RANGE 6.3-9A	No	6		
131	0682550	COOLING FAN MOTOR CIRCUIT BREAKER AUXILIARY CONTACT: 1NO & 1NC CONTACTS	No	6		
132	0672234	EARTH SWITCH & DISCONNECTOR MOTOR CIRCUIT BREAKER: 3 POLE, 690VAC, 7.5KW, RANGE 12.5-16A	No	2		
133	0682542	EARTH SWITCH & DISCONNECTOR MOTOR CIRCUIT BREAKER AUXILIARY CONTACT: 2NC CONTACTS	No	2		

134	0667696	AIR PRESSURE DIFFERENTIAL SWITCH (FILTER CLOGGED): RANGE 30-300PA SPST CONTACT	No	4		
135	0667698	MAIN ISOLATOR 690VAC, 32A, 3 POLE	No	2		
136	0667565	FAN MOTOR CIRCUIT BREAKER: 690VAC, 6-10A, 4KW, 3 POLE	No	4		
137	0667695	AUX CONTACT FOR FAN MOTOR CIRCUIT BREAKER: FOR GV2ME CB, 240VAC, 1 X NO & 1 X NC CONTACTS	No	4		
138	0667692	FAN MOTOR CONTACTOR: 690VAC, 4KW, 3 POLE, 24VAC COIL, 1 X NO & 1 X NC CONTACTS	No	4		
139	0625476	TIMER FOR FAN MOTOR CONTACTOR: FOR LC1 CONTACTOR, TIME DELAY 0.1-30S, 1 X NO & 1 X NC CONTACTS	No	4		
140	0647673	MULTI-PURPOSE RELAY: 24VAC COIL VOTLAGE, 4CO CONTACTS (6A RATING), 14 PIN, WITH LED	No	10		
141	0667298	MULTI-PURPOSE RELAY BASE: FOR RXM4 PLUGGABLE RELAY, 14 PIN BASE	No	4		
142	0667699	12-240VAC/VDS, MULTI VOLTAGE, MULTI FUNCTION, 1 CO CONTACT	No	4		
143	0631211	CONTROL POWER VOLTAGE TRANSFORMER: 240VAC/24VAC, 160VA, CL:1	No	2		
144	0665326	FAN SELECTION SWITCH (ON LCP): 3 POSITION, STAY PUT TYPE, 2 X NO CONTACTS	No	6		
145	0628596	INDICATION LIGHT (ON LCP): RED, 22MM, 24VAC/VDC LED	No	5		
146	0628598	INDICATION LIGHT (ON LCP): GREEN, 22MM, 24VAC/VDC LED	No	3		
147	0643351	INCOMER CIRCUIT BREAKER (MCCB) THERMAL MAGNETIC, SIZE 3VL2, 315A RATED CURRENT, ADJUSTABLE PICK-UP VALUE CURRENT 250A, INSTANTANEOUS SHORT CIRCUIT TRIP 1575 - 3150A, MAX SHORT CIRCUIT CURRENT (ICU) 100KA, INSULATION VOLTAGE 690VAC	No	2		
148	0256063	UNDERVOLTAGE & OVERVOLTAGE RELAY 3 PHASE, 160-690VAC, 50HZ, 1CO - UV, 1 CO - OV	No	2		
149	0638875	COOLER BANK CIRCUIT BREAKER (MCB) 400V, 3 POLE, 63A, 15KA, C-TYPE TRIP CURVE	No	5		
150	0626723	AUXILIARY CONTACT FOR SIEMENS 5SY MCB LATERAL MOUNT, 1NO + 1 NC AUXILIARY CONTACTS	No	20		

151	0575256	COOLER BANK CONTACTOR POWER CONTACTOR 3 PHASE, SIZE S3, 95A, COIL VOLTAGE 230VAC, SNAP-ON AUX CONTACT, 2NO + 2NC AUX CONTACTS, INSULATION VOLTAGE 690VAC	No	9		
152	0644605	OIL PUMP MOTOR CIRCUIT BREAKER 3 PHASE, 690VAC, ADJUSTABLE 6.3 - 10A, CLASS 10	No	5		
153	0644606	COOLER FAN MOTOR CIRCUIT BREAKER 3 PHASE, 690VAC, ADJUSTABLE 10 - 16A, CLASS 10	No	10		
154	0716694	COOLER BANK BUSBAR SYSTEM 4 CONNECTIONS (1 X OIL PUMP MOTOR CB & 3 X FAN MOTOR CB), 63A RATING, FOR 140M-C CB WITH LATERAL MOUNT AUXILIARY CONTACT	No	5		
155	0626726	AUXILIARY CONTACT FOR ALLEN BRADLEY 140M CIRCUIT BREAKER LATERAL MOUNT, 2NO AUXILIARY CONTACTS	No	7		
156	0638876	CONTROL SUPPLY B (MCB) 400V, 3 POLE, 2A, 15KA, C-TYPE TRIP CURVE	No	2		
157	0638877	HEATER & LIGHT (MCB) 230VAC, 1 POLE, 4A, 15KA, C-TYPE TRIP CURVE	No	2		
158	0638878	CONTROL SUPPLY A & B, DOBLE, CB MOTOR DRIVE UNIT (MCB) 230VAC, 1 POLE, 4A, 15KA, C-TYPE TRIP CURVE	No	3		
159	0235872	CONTACTOR RELAY OIL FLOW, COOLER CB TRIPPED & COOLER SUPPLY FAIL 230VAC COIL, 2NO + 2NC, 10A	No	5		
160	0634699	COOLER CONTROL INHIBIT CONTROL CONTACTOR RELAY 4 POLE, 3NO + NC, 10A, 24VDC	No	2		
161	0241452	MULTI FUNCTION TIME RELAY 16 FUNCTIONS, 15 TIME RANGES, AC OR DC 24 - 240V, 2CO, 1A DC OR 3A AC	No	5		
162	0125673	POWER SUPPLY B OK CONTACTOR RELAY 5NO + 5NC 380/400VAC, 50HZ, 10A, 24VDC	No	2		
163	0626294	POWER SUPPLY B OK CONTACTOR RELAY 5NO + 5NC 380/400VAC, 50HZ, 10A, 24VDC	No	2		
164	0641422	AMPLIFIER FOR FLOW SENSOR 230VAC SUPPLY, 2CO, 4A, LED DISPLAY	No	2		
165	0638880	POWER PLUG, DGA, SPARE RCBO 230VAC, 2 POLE, 16A, 30MA, 10KA, C-TYPE TRIP CURVE	No	2		
166	0638879	SPARE RCBO 230VAC, 2 POLE, 6A, 30MA, 10KA, C-TYPE TRIP CURVE	No	1		
167	0679878	COOLER SELECTOR SWITCHES 4CO CONTACTS, 220-240VAC, 12A	No	5		
168	0679980	MARSHALLING KIOSK THERMOSTAT 1CO CONTACT, 10A, 230VAC, 5-60DEG C.	No	4		

169	0679981	MARSHALLING KIOSK HEATER 150W, 250VAC	No	4		
170	0679983	MARSHALLING KIOSK LIGHT BULB: FLUORESCENT TUBE, T8 14W, 230VAC, G13, 375-380MM LENGTH	No	10		
171	0576729	MARSHALLING KIOSK DOOR MICRO SWITCH 1NO & 1NC CONTACT, 6A, 230VAC	No	2		
172	0645102	MAIN SUPPLY ISOLATOR 415VAC, 100A, 10KA, 4 POLE	No	2		
173	0630747	MAIN SUPPLY FAIL RELAY 400VAC/415VAC, 3 PHASE VOLTAGE COMPARITOR, SINGLE POLE.	No	10		
174	0630876	MULTI-FUNCTION TIMER 230VAC, 11 PIN, SINGLE PHASE MULTI-FUNCTION TIMER, DPST	No	10		
175	0630754	FIBRE OPTIC TEMPERATURE MONITOR POWER SUPPLY 230VAC, 50HZ TO 24VDC, 72W	No	2		
176	0645103	COOLER BANK INLET & OULET TEMPERATURE TRANSMITTER 230VAC SUPPLY, 4-20MA OUTPUT, PT100 INPUT	No	3		
177	0630743	COOLER STARTING POWER CONTACTOR 3 NO POWER CONTACTS, 690VAC, 23A (11KW), 50HZ, 230VAC COIL, 1 NO AUX CONTACT	No	3		
178	0630745	COOLER INITIATE & COOLER FAIL CONTROL CONTACTOR 690VAC, 10A, 50HZ, 230VAC COIL, 4 NO CONTACTS	No	10		
179	0630746	COOLER INITIATE AUX CONTACT BLOCK SNAP ONTO K700 SERIES CONTACTORS, 4 NO CONTACTS.	No	5		
180	0630744	COOLER STOP CONTACTOR 690VAC, 10A, 50HZ, 230VAC COIL, 2 NO & 2 NC CONTACTS	No	2		
181	0117910	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 550 VAC; 250 VDC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 12.5 X LG 53 MM; INTERRUPT CAPACITY: 80 KA AC; 40 KA DC; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; SPECIFICATION: BS 88; REFERENCE NO: A1, UNK; LOW VOLTAGE, HRC, LABEL COLOUR CODING CRIMSON, BASE TYPE N, CLASS Q1	No	124		
182	0630748	OIL TRIP AUXILIARY RELAY 230VAC COIL, 10A, 50HZ, 8 PIN PLUGGABLE REALY, 2 CO CONTACTS	No	2		
183	0630981	OIL TRIP AUXILIARY RELAY BASE 230VAC, 50HZ, 8 PIN, FOR 700-HA32 RELAYS	No	2		
184	0645101	MARSHALLING KIOSK HEATER ELEMENT 230VAC, 50HZ, 60W	No	1		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

185	0630750	FAN & PUMP THERMAL OVERLOAD RELAYS 690VAC, 3 POLE, CLASS 10, 3.2 - 16A ADJUSTABLE RANGE, 50HZ, 2 NC AUXILIARY CONTACTS	No	10		
186	0645098	COOLER CIRCUIT BREAKER 690VAC, 3 POLE, 15KA, CLASS 10, 18-25A ADJUSTABLE RANGE.	No	5		
187	0643357	MARSHALLING KIOSK LIGHT CIRCUIT BREAKER 230VAC, 50HZ, 1 POLE 2A, C TYPE	No	2		
188	0626994	MARSHALLING KIOSK LIGHT 18W, 26MM DIAMETER, 590MM LENGTH, 1200LM COOL WHITE FLUORESCENT	No	6		
189	0673793	MARSHALLING KIOSK DOOR MICRO LIMIT SWITCH 380VAC, 15A	No	2		
190	0645095	CT: INTERPOSING CT 1110/2425, 30VA, B TEMP CLASS, 600VA	No	2		
191	0216941	MARSHALLING KIOSK LIGHT: CFL, 11W, 240VAC, E27	No	10		
192	0647897	MARSHALLING KIOSK THERMOSTAT 1NC CONTACT, 10A, 250VAC, 0-60DEG C.	No	5		
193	0675666	MARSHALLING KIOSK DOOR MICRO SWITCH 1NC CONTACT, 1A, 250VAC	No	5		
194	0675250	MARSHALLING KIOSK HEATER 100W, 250VAC	No	6		
195	0583370	FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 250 MM; POTENTIAL: 230 VAC; CURRENT: 560-790 MA; VOLUME RATING: 1205 M3/HR; SPEED: 2550/2700 RPM; MATERIAL: AL; SPECIFICATION: EN60335-1; INSULATION CLASS: F; DIRECTION: ANTI CLOCKWISE; SERVICE FACTOR: S1; BLADE QUANTITY: 7; MANUF P/N: W2E250-HL06-01	No	7		
196	0665876	FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 172 X WD 51 MM; POTENTIAL: 230 VAC; CURRENT: 0.1 A; VOLUME RATING: 375 M3/HR; SPEED: 2800 RPM; MATERIAL: DIE CAST ALUMINIUM; DIRECTION: COUNTER CLOCKWISE; MANUF P/N: 6058 ES; 24 WATT; -25 TO 75 DEG C; CABLE 2 FLAT PLUGS 2.8 X 0.5MM; HOUSING WITH GROUNDING LUG FOR M4 X 6; MOTOR PROTECTION PROTECTED FROM OVERLOAD BY THERMAL SWITCH; SOUND POWER LEVEL 5.9B; SOUND POWER LEVEL 55 DB(A)	No	32		
197	0253442	MODULE: TYPE: ANALOG OUTPUT; SUPPL P/N: 3UF7400-1AA00-0	No	32		
198	0667467	PANEL, CONTROL: TYPE: INTELLIGENT OPERATOR; APPLICATION: SINAMICS G120 VARIABLE SPEED DRIVES; OEM P/N: 6SL3255-0AA00-4JA2; REFERENCE NO: 23482; WITH MEMORY FOR G120 SERIES INVERTERS	No	32		

199	0673839	MODULE, ELECTRONIC: TYPE: DIGITAL MONITORING; VOLTAGE: 24 VDC; SUPPL P/N: 3UG4624-2CS20; CURRENT: 30-40000MA; FOR RESIDUAL CURRENT MONITORING WITH CONVERTER 3UL22VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	32		
200	0694200	MODULE: TYPE: HMI; INPUT: 24 VDC; OUTPUT: 6 VDC; APPLICATION: RADIAL STACKER G120 VSD; DIMENSIONS: WD 73 X LG 199 X DP 46 MM; SPECIFICATION: SEMI F47; SUPPL P/N: 6SL3244-0BB13- 1PA1	No	24		
201	0575284	EARTH LEAKAGE: TYPE: TRIP UNIT; CURRENT: 5 A; POTENTIAL: 550 VAC; LEAKAGE CURRENT: 32 MA; COIL VOLTAGE: 690V; MOUNT: PANEL; TERMINAL: 11 X SCREW; CONTACT ARRANGEMNET: 1 NO 1 NC	No	24		
202	0251527	BASE, RELAY: TYPE: 8 PIN PLUG IN; WIDTH: 15.5 MM; SUPPL P/N: LZSRT78725	No	32		
203	0238426	MODULE, POWER SUPPLY: SUPPL P/N: 6EP1334-2BA00	No	48		
204	0575264	SWITCH, PUSHBUTTON: HEAD STYLE: FLAT ROUND; COLOR: RED; ELECTRICAL RATING: 400 V; CONTACT ARRANGEMENT: 1NC; MOUNT: FRONT; SIZE: 22 X 8 X 49 MM; APPLICATION: SWITCHGEAR; HOUSING: PLASTIC; MANUF P/N: 3SB3203-0AA21; SCREW TERMINAL	No	48		
205	0502855	CONTACTOR: COIL VOLTAGE: 220 VAC; CURRENT: 16-24 A; POLE: 3; MAXIMUM CURRENT RATING: 690 VAC; MANUF P/N: LC1D38M7; EQUIPMENT DESCRIPTION:380V WITH 220V COIL	No	32		
206	0583391	RELAY, OVERLOAD: TRIP RANGE: 0.35-0.5 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTO/MANUAL; CURRENT: 2 A; TERMINAL: 5 SCREW; MOUNT: DIRECT; MANUF P/N: 3RU2116-0FB0	No	24		
207	0625878	CONTACTOR: TYPE: MAIN; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 40 A; POLE: 3; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 60947-1; CONTACT ARRANGEMENT: 1NO 1NC; MAXIMUM CURRENT RATING: 10 A AT AC-12; SUPPL P/N: 3RT2024- 1AP00; SIZE:0; 5.5KW POWER CONTACTOR; MAIN CIRCUIT 40A AT AC-1 400VAC; SCREW TYPE TERMINALS; MOUNTING TYPE SCREW AND SNAP ONTO DIN 35MM; OPERATING TEMPERATURE - 25 TO 60 DEG C; STORAGE TEMPERATURE: -55 TO 80 DEG C; DIMENSIONS: WD 45 X DP 97 X HT 85MM	No	24		
208	0673837	MODULE, ELECTRONIC: TYPE: DIGITAL SAFETY; VOLTAGE: 24 VDC; SUPPL P/N: 3TK2842- 1BB42; MOTOR CONTROL CENTER; DIMENSIONS: 22.5X100X88VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	24		
209	0583392	RELAY, OVERLOAD: TRIP RANGE: 0.9-1.25 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTO/MANUAL; CURRENT: 4 A; TERMINAL: 5 SCREW; MOUNT: DIRECT; MANUF P/N: 3RU1116-OKBO	No	48		



210	0583393	RELAY, OVERLOAD: TRIP RANGE: 1.4-2 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTO/MANUAL; CURRENT: 6 A; TERMINAL: 5 SCREW; MOUNT: DIRECT; MANUF P/N: 3RU2116-1BB0	No	16		
211	0583394	RELAY, OVERLOAD: TRIP RANGE: 1.8-2.5 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTO/MANUAL; CURRENT: 10 A; TERMINAL: 5 SCREW; MOUNT: DIRECT; MANUF P/N: 3RU1116-1CB0	No	16		
212	0583395	RELAY, OVERLOAD: TRIP RANGE: 3.5-5 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTO/MANUAL; CURRENT: 20 A; TERMINAL: 5 SCREW; MOUNT: DIRECT; MANUF P/N: 3RU1116-1FB0	No	16		
213	0663369	RELAY: TYPE: BRAKE; COIL VOLTAGE: 440VAC/30VDC; CONTACT ARRANGEMENT: 1NO; CONTACT RATING: 440 VAC @ 3.5A/30 VDC @ 12A; ACTION: SPST; TERMINAL: 4 PIN; MOUNT: SCREW; ENCLOSURE RATING: IP20; MANUF P/N: 6SL3252-0BB00-0AA0; FOR ASH PLANT (EMERGENCY ASH RECLAIMER)	No	8		
214	0582695	MODULE: TYPE: PROTECTION RELAY; MANUF P/N: 7SJ6411-2EB92-1FA0-LOS	No	8		
215	0708029	RESISTOR: RESISTANCE: 5.5 OHM; RATING: 5.6 KW; CONNECTION: THD; MATERIAL: CERAMIC CORE; TOLERANCE: +/-5 PCT; TYPE: SINAMICS; SPECIFICATION: AL:N/ECCN:N; CURRENT: 2.5 A; SUPPL P/N: 6SE6400-4BD26-0FA0; IP20; CONTACT: NC; DC LINK VOLTAGE: 900 VDC; WD 301 X LG 526 X HT 484 MM; TYPE: BRAKING; M6 STUDS	No	12		
216	0553061	CONNECTOR, ELECTRICAL: TYPE: CABLE; CONDUCTOR: 0.5 MM; MANUF P/N: 3UF7932-0AA00-0; SIMOCODE CONNECTION CABLE; FLAT	No	5		
217	0557321	SWITCH, SPEED: MANUF P/N: XSAV11801	No	24		
218	0553172	CONNECTOR, ELECTRICAL: TYPE: CABLE; CONDUCTOR: 1 MM; MANUF P/N: 3UF7937-0BA00-0; SIMOCODE CONNECTION CABLE	No	24		
219	0657890	CONTACT, AUXILIARY: TYPE: SWITCH TRANSVERSE, CONTACT ARRANGEMENT: 1NO 1NC, CURRENT: 10 A, POTENTIAL: 24 V AC, MATERIAL: PLASTIC MOLDED, CLASSIFICATION: IP20, ATTACHMENT METHOD: PLUG-IN, CONNECTION: SCREW; SUPPL P/N: 004.1491; REFERENCE NO: 3RV2901-1E	No	64		
220	0583411	CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; MANUF P/N: 3VL9400-2AB00	No	34		
221	0582712	TRANSDUCER: TYPE: VOLTAGE; INPUT: 230 VAC; OUTPUT: 4-20 MA; POWER SOURCE: 230 VAC; MANUF P/N: VA LDG6	No	24		
222	0575247	SENSOR, CURRENT: CURRENT: 5 A; POTENTIAL: 690 VAC; DIMENSIONS: 30 MM; TERMINAL TYPE: SCREW; MOUNT: PANEL; MANUF P/N: ELCOR-AC55E; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	24		

223	0604761	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 45 A; POLE: 3; CONTACT ARRANGEMENT: 3NO; MANUF P/N: 277292; MODEL NO: DILM32-10; SUPPLIER:EATON; BELLCO; ALL CONTROL; 50HZ	No	54		
224	0606059	RELAY, CONTROL: CONTACT RATING: 250 VAC 10 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 110 VAC; ACTION: 2P2DT; MOUNT: SLOT IN; TERMINAL: 8 PIN; CONTACT MATERIAL: COPPER; ENCLOSURE RATING: IP65; TYPE: ELECTROMECHANICAL; USED ON THE LIFT EQUIPMENT	No	64		
225	0663356	MODULE: TYPE: PM240 POWER; INPUT: 380-400 V; OUTPUT: 400 V; APPLICATION: COAL RECLAIMER; DIMENSIONS: WD 350 X HT 634 X DP 316 MM; COMMERCIAL SIZE: FSF; MANUF P/N: 6SL3224-0BE34- 5UA0; POWER FACTOR 0.85A; AMBIENT OPERATION TEMPERATURE 0-50 DEG C; IP OPEN TYPE DEGREE OF PROTECTION; CONNECTIONS M8 BOLT	No	8		
226	0663358	MODULE: TYPE: PM240 POWER; INPUT: 380-480 V; OUTPUT: 400 V; APPLICATION: COAL RECLAIMER - CROSS CONVEYOR; DIMENSIONS: WD 350 X HT 634 X DP 316 MM; COMMERCIAL SIZE: FSF; MANUF P/N: 6SL3224-0BE38- 8UA0; POWR FACTOR 0.85A; AMBIENT OPERATION TEMPERATURE 0-50 DEG C; IP 20/UL OPEN TYPE DEGREE OF PROTECTION; CONNECTIONS M8 BOLT	No	8		
227	0673848	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: SINAMICS; OUTPUT RATING: 15 KW; POTENTIAL: 380-480 V; PHASE: 3; CURRENT: 57 A; CONTROL TYPE: G120- PM240; ENCLOSURE: IP20; SUPPL P/N: 6SL3224-0BE31- 1AA0; POWER MODULE PM240; WITH INTERGRATED FILTER AND INTERGRATED BREAKING CHOPPER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	8		
228	0708031	REACTOR: TYPE: MICROMASTER PX; REACTIVE POWER: 31 KVAR; POTENTIAL: 400 V; PHASE: 3; CURRENT: 224 A; INSULATION MATERIAL: GLASS FIBRE; APPLICATION: LINE; SUPPL P/N: 6SL3000-0CE32-3AA0; IP00; M6 CONNECTION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	15		
229	0708416	REACTOR: TYPE: MICROMASTER PX; REACTIVE POWER: 30 KVAR; POTENTIAL: 400 V; PHASE: 3; CURRENT: 270 A; INSULATION MATERIAL: FIBREGLASS; APPLICATION: LINE REACTOR; SUPPL P/N: 6SL3000-0CE32-8AA0; DIMENSIONS: WD 270 X HT 248 X DP 200MM; ENCLOSURE: IP00; CONNECTION: M6 SCREW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	12		

230	0708032	INDUCTOR: TYPE: REACTANCE COIL; MATERIAL: GLASS FIBRE; POWER SUPPLY: 400 V 210 A 3P; APPLICATION: MOTOR; STANDARD: EC002025; SUPPL P/N: 6SL3000-2BE32-1AA0	No	12		
231	0625750	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIXED; TYPE: MAINS; CONTROL VOLTAGE: 400 V; POLES: 3; CURRENT RATING: 120 A; VOLTAGE PROTECTION LEVEL: 690 VAC; RATED INSULATION VOLTAGE: 800 VAC; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: ADJUSTABLE; SERVICE SHORT CIRCUIT BREAKING CAPACITY: ICU 50 KA; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: ICU 50 KA; POLLUTION CLASS: IP40; ENCLOSURE RATING: - 30 TO 70 DEG C; SPECIFICATION: IEC 60947-2; APPLICATION: DISTRIBUTION; PROTECTION: INSTANTANEOUS; OVERLOAD; CONTROL TYPE: TOGGLE; MANUF P/N: LV432693; CONTACT PERSON: M DIYA TEL NO: 011 629-4914	No	64		
232	0629835	UNIT: TYPE: TRIP; APPLICATION: BREAKER; MANUF P/N: LV-4-30430	No	54		
233	0630407	SHUNT: TYPE: TRIP RELEASE; RATING: 220 V; MATERIAL: PLASTIC; SUPPL P/N: LV429387; RESPONSE TIME: 50MS; SUPPLY INRUSH POWER: 30W; IMPULSE DURATION: 20MS; CONTROL SIGNAL TYPE: IMPULSE MAINTAINED; DEVICE SHORT NAME: MXVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	81		
234	0631037	HOLDER, FUSE: POTENTIAL: 690 VAC; CURRENT: 100 A; FUSE SIZE: DIA 22 X LG 58 MM; FUSE STYLE: CYLINDRICAL; MOUNT: DIN RAIL; CONNECTION TYPE: SCREW; SUPPL P/N: 485301	No	154		
235	0637090	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: INVERTER; OUTPUT RATING: 37 KW; POTENTIAL: 400 VAC; PHASE: 3; INPUT: 400 VAC; CURRENT: 56.2 A; MOUNTING METHOD: BOLTED; SUPPL P/N: 6SL3224-0BE33-0UA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	24		
236	0644184	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL 35 MM; TYPE: MCB; POLES: 2; CURRENT RATING: 2 A; VOLTAGE PROTECTION LEVEL: 480 V; RATED INSULATION VOLTAGE: 10 KV; IMPULSE WITHSTAND VOLTAGE: 480 V; SHORT TIME CURRENT: 15 KA; POLLUTION CLASS: 3; SPECIFICATION: EN 60898-1; APPLICATION: PANEL LIGHT MCB; PROTECTION: LINE; SUPPL P/N: 5SY7202-7	No	7		
237	0645096	TRANSFORMER, CURRENT: POTENTIAL: 1 KV; CURRENT: 1000/1 A; SHORT CIRCUIT CURRENT: 10 KA; CORE TYPE: IRON; CREEPAGE: 15 MM; APPARENT POWER: 10 VA; PHASE: 1; COOLING TYPE: NATURAL; WINDING MATERIAL: CU; CURRENT RATIO: 100/1 A; TYPE: RING; CLASS: 10P10; SUPPL P/N: WTI-1000/1-10P10/10VA; CT TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	No	4		

238	0638869	CONTACT, AUXILIARY: TYPE: MAIN; CONTACT ARRANGEMENT: 2NO 2NC; CURRENT: 10 A; POTENTIAL: 24 VAC; MATERIAL: PVC; ATTACHMENT METHOD: SNAP ON; CONNECTION: SCREW; SUPPL P/N: 3RH1911-1FA22	No	20		
239	0645097	TRANSFORMER, CURRENT: POTENTIAL: 1 KV; CURRENT: 300/1 A; SHORT CIRCUIT CURRENT: 25 KA; CORE TYPE: IRON; CREEPAGE: 10 MM; APPARENT POWER: 10 VA; PHASE: 1; STYLE: REF; COOLING TYPE: NATURAL; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 300/1; TYPE: RING; CLASS: 5P20; SUPPL P/N: 300/1-5P20 10VA; RS AT 75DEG C < 2.0 OHM	No	6		
240	0645100	Cooler Stop Contactor Latch Mechanical latch, 230VAC, 1 NO & 1 NC contact	No	4		
241	0656108	MODULE: TYPE: POWER; INPUT: 380-480 V; OUTPUT: 400 V; POWER SOURCE: 380-480 V; APPLICATION: STACKERS AND RECLAIMERS; DIMENSIONS: WD 275 X HT 419 X DP 204 MM; MANUF P/N: 6SL3224-0BE31-8UA0	No	32		
242	0656115	MODULE, POWER SUPPLY: TYPE: SINAMICS 240; INPUT: 380-480 V; OUTPUT: 178 A; APPLICATION: COAL STACKER AND ASH RECLAIMING; MANUF P/N: 6SL3224-0BE37- 5UA0; 3AC; MOTOR IEC 75KW/90KW NEMA	No	24		
243	0656343	EARTH LEAKAGE: TYPE: CIRCUIT BREAKER; CURRENT: 63 A; POTENTIAL: 230 V; POLE: 2; LEAKAGE CURRENT: 30 MA; INTERRUPT CAPACITY: 1500 A; MANUF P/N: A9R41263; HEIGHT: 91MM; WIDTH 36MM; DEPTH 73.5MM; PROTECTION CLASS TYPE AC	No	72		
244	0662919	RELAY, CONTROL: CONTACT RATING: 10 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 230 VAC; ACTION: SPDT; MOUNT: SCREW; TERMINAL: 11 PIN PLUG IN; PART NO: LA5/D230VAC50MV; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	54		
245	0663335	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 20 A; VOLTAGE PROTECTION LEVEL: 500 V; RATED INSULATION VOLTAGE: 500 VAC; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 160 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 4500 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20 B; SPECIFICATION: IEC 60947-2; EN 60898-1; APPLICATION: COAL STACKER; PROTECTION: THERMAL MAGNETIC; CONTROL TYPE: TOGGLE; MANUF P/N: A9F64220; REFERENCE NO: ACTI 9 IC60; C CURVE; WIDTH 36MM; DEPTH 78.5MM; AMBIENT AIR TEMPERATURE FOR OPERATION -35 TO 70 DEG C	No	90		

246	0663336	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 2 A; VOLTAGE PROTECTION LEVEL: 500 V; RATED INSULATION VOLTAGE: 500 VAC; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 16 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 4500 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 6 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20 B; SPECIFICATION: IEC 60947-2; EN 60898-1; APPLICATION: COAL STACKER/RECLAIMER; PROTECTION: THERMAL MAGNETIC; CONTROL TYPE: TOGGLE; OEM P/N: A9F64202; REFERENCE NO: ACTI 9 IC60; C- CURVE; WIDTH 36MM	No	54		
247	0663353	MODULE: TYPE: POWER; INPUT: 380-480 VAC; OUTPUT: 400 VAC; APPLICATION: COAL STACKER; DIMENSIONS: WD 326 X HT 1533 X DP 547 MM; MANUF P/N: 6SL3224-0XE41- 3UA0; NUMBER OF PHASES 3; POWER FACTOR 0.85A; AMBIENT TEMPERATURE OPERATION 0-40 DEG C; IP 20/UL OPEN TYPE DEGREE OF PROTECTION; SIZE FSGX; CONNECTION M10 BOLT; FOR COAL PLANT	No	54		
248	0663354	MODULE: TYPE: PM240 POWER; INPUT: 380-480 V; OUTPUT: 400 V; APPLICATION: COAL/RECLAIMER DRAIN DRIVES; DIMENSIONS: WD 350 X HT 634 X DP 316 MM; MANUF P/N: 6SL3224-0BE41- 1UA0; POWER FACTOR 0.85A; AMBIENT OPERATION TEMPERATURE 0-50 DEG C; IP 20/UL OPEN TYPE DEGREE OF PROTECTION; SIZE FSF; CONNECT M8 BOLT	No	54		
249	0663450	UNINTERRUPTIBLE POWER SUPPLY: APPLICATION: MCC CONTROL POWER; INPUT: 230 VAC; RATING: 3 KVA; OUTPUT VOLTAGE: 230 VAC; OUTPUT CURRENT: 13 A; INTERNAL BATTERIES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	12		
250	0667340	RELAY: TYPE: GENERAL PURPOSE; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 2NO 2NC; CONTACT RATING: 8 A; ACTION: DPDT; TERMINAL: 8 BLADE TERMINAL; MOUNT: PLUG IN; ENCLOSURE RATING: RT II; CONTACT MATERIAL: AGNI; MANUF P/N: 46.52.9.024.0040	No	64		
251	0668153	BLOCK TRMNL:800 V;124 A;35 MM;1;WD 16 MM	No	24		
252	0669825	CONTACT, AUXILIARY: TYPE: CB; CONTACT ARRANGEMENT: OC; CURRENT: 3A; POTENTIAL: 415V; MATERIAL: PLASTIC; CLASSIFICATION: IP20; ATTACHMENT METHOD: CLIP ON; CONNECTION: 1.5MM FERRULE; SPECIFICATION: IP20; MANUF P/N: A9A26924	No	72		
253	0672499	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: FIXED/WALL; TYPE: THERMAL MAGNETIC; POLES: 3; CURRENT RATING: 160 A; VOLTAGE PROTECTION LEVEL: 690 VAC; RATED INSULATION VOLTAGE: 800 VAC; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: 1250 A; POLLUTION CLASS: 2; ENCLOSURE RATING: IP40; SPECIFICATION: LV430310; APPLICATION: MOBILE	No	72		

		FEEDER 5-10XIN ADJUSTABLE; PROTECTION: THERMAL MAGNETIC; OEM P/N: LV430310; INCLUDE: 2 X AUXILIARIES - P/N: 29450; 1 X TRIP COIL 220-240VAC - P/N: LV429387; 1 X EXTENDED ROTARY HANDLE COMPACT NSX STANDARD HANDLE IP55 - P/N: LV429338				
254	0675248	TRANSFORMER, CURRENT: POTENTIAL: 1 KV; CURRENT: 800-1 A; SHORT CIRCUIT CURRENT: 10 KA; CORE TYPE: IRON; CREEPAGE: 15 MM; APPARENT POWER: 10 VA; PHASE: 1; INCLOSURE TYPE: NATURAL; WINDING MATERIAL: CU; CURRENT RATIO: 800:1; TYPE: RING; CLASS: 10P10; SUPPL P/N: WTI800/1A-10P10-10VA; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	No	4		
255	0675249	TRANSFORMER, CURRENT: POTENTIAL: 1 KV; CURRENT: 2000-1 A; SHORT CIRCUIT CURRENT: 10 KA; CORE TYPE: IRON; CREEPAGE: 15 MM; APPARENT POWER: 10 VA; PHASE: 1; INCLOSURE TYPE: NATURAL; WINDING MATERIAL: CU; CURRENT RATIO: 2000:1; TYPE: RING; CLASS: 10P10; SUPPL P/N: WTI2000/1A-10P10-10V; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	No	6		
256	0675314	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 100-600 VAC; CURRENT: 0.7 A; SHORT TIME CURRENT: 50 A; POLE: 4; CONTROL VOLTAGE: 240 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 6 KV; INSULATION MATERIAL: MOLDED; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; SPECIFICATION: MP4-00400- ELEC-00; COLOR: GREY; TYPE: NSX 250F MOTOR CIRCUIT PROTECTOR; SUPPL P/N: LV431408	No	24		
257	0675315	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 200 VAC; CURRENT: 20 A; SHORT TIME CURRENT: 100 A; POLE: 4; CONTROL VOLTAGE: 240 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 6 KV; INSULATION MATERIAL: MOLDED; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; 3D TM250D TRIP UNIT FOR NSX250; SPECIFICATION: MP4-00400-ELEC-00; COLOR: GREY; SUPPL P/N: LV431440	No	32		
258	0675318	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 110 VAC; CURRENT: 8.9 A; SHORT TIME CURRENT: 150 A; POLE: 4; CONTROL VOLTAGE: 240 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 6 KV; INSULATION MATERIAL: MOLDED; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; 4PT 440- 550V AC 0.3-10A VIGI MH; SPECIFICATION: MP4-00400- ELEC-00; COLOR: GREY; TYPE: NSX 250F MOTOR CIRCUIT PROTECTOR; SUPPL P/N: LV431534	No	54		
259	0675326	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 222 VAC; CURRENT: 16 A; SHORT TIME CURRENT: 10 A; POLE: 4; CONTROL VOLTAGE: 240 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 6 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS:	No	81		

		2; APPLICATION: MOBILE FEEDER; MF1-3 220 VOLT DISTRIBUTION PANEL 01BFP01 AA003; SPECIFICATION: MP4-00400- ELEC-00; COLOR: GREY; TYPE: CURVE C; MODEL NO: IC60A; SUPPL P/N: A9F64316				
260	0675327	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 240 VAC; CURRENT: 63 A; SHORT TIME CURRENT: 10 A; POLE: 4; CONTROL VOLTAGE: 240 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 10 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; MF1-3 220 VOLT DISTRIBUTION PANEL 01BFP01 AA003; SPECIFICATION: MP4-00400- ELEC-00; COLOR: GREY; TYPE: CURVE C; SUPPL P/N: A9F64463	No	72		
261	0675337	EARTH LEAKAGE: TYPE: THERMAL; CURRENT: 25 A; POTENTIAL: 220 VAC; POLE: 2; INTERRUPT CAPACITY: 30 MA; SPECIFICATION: MP4- 00400-ELEC-00; SUPPL P/N: A9V41225	No	56		
262	0675338	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 207 VAC; CURRENT: 16 A; SHORT TIME CURRENT: 6 KA; POLE: 2; CONTROL VOLTAGE: 220 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 10 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; MF1-3 220 VOLT DISTRIBUTION PANEL 01BFP01 AA003; SPECIFICATION: MP4-00400- ELEC-00; IC60A; COLOR: GREY; TYPE: CURVE C; SUPPL P/N: A9F64216	No	46		
263	0675339	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 380 VAC; CURRENT: 10 A; SHORT TIME CURRENT: 6 KA; POLE: 2; CONTROL VOLTAGE: 220 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 10 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; MF1-3 220 VOLT DISTRIBUTION PANEL 01BFP01 AA003; SPECIFICATION: MP4-00400- ELEC-00; IC60A; COLOR: GREY; TYPE: CURVE C; SUPPL P/N: A9F64210	No	54		
264	0675340	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: CLIP ON; POTENTIAL: 220 VAC; CURRENT: 2 A; SHORT TIME CURRENT: 6 KA; POLE: 1; CONTROL VOLTAGE: 220 V; CREEPAGE: 22 MM; BASIC INSULATION LEVEL: 10 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: PUSHBUTTON; POLLUTION CLASS: 2; APPLICATION: MOBILE FEEDER; MF1-3 220 VOLT DISTRIBUTION PANEL 01BFP01 AA003; SPECIFICATION: MP4-00400- ELEC-00; IC60N; COLOR: GREY; TYPE: CURVE C; SUPPL P/N: A9F64102 BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 20 A; VOLTAGE PROTECTION LEVEL: 500 V; RATED INSULATION VOLTAGE: 500 VAC; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT	No	54		

		TIME CURRENT: 160 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 4500 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 10 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20 B; SPECIFICATION: IEC 60947-2; EN 60898-1; APPLICATION: COAL STACKER; PROTECTION: THERMAL MAGNETIC; CONTROL TYPE: TOGGLE; MANUF P/N: A9F64220; REFERENCE NO: ACT1 9 IC60; C CURVE; WIDTH 36MM; DEPTH 78.5MM; AMBIENT AIR TEMPERATURE FOR OPERATION -35 TO 70 DEG C				
265	0675399	HOLDER, FUSE: POTENTIAL: 400 V; CURRENT: 125 A; FUSE SIZE: DIA 22 X LG 58 MM; FUSE STYLE: PMX SERIES; SPECIFICATION: MP4-00400- ELEC-00; TYPE: FUSE LINK; SUPPL P/N: 485305	No	54		
266	0675400	FUSE, CARTRIDGE: CURRENT: 125 A; POTENTIAL: 400 V; CONNECTION TYPE: CLIP ON; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: CYLINDRICAL; SPECIFICATION: MP4- 00400-ELEC-00; GG; SUPPL P/N: 422015	No	124		
267	0675406	CONTACTOR: TYPE: LATCH; LINE VOLTAGE: 230V 50HZ; COIL VOLTAGE: 220 VAC; CURRENT: 10 A; POLE: 1; SUPPL P/N: LC1D150M7	No	124		
268	0675410	RELAY, OVERLOAD: TRIP RANGE: 48-80 A; TYPE: MAIN; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 10 A; TERMINAL: 18 PIN; MOUNT: PLUG IN; APPLICATION: STOCKYARD IMS MOBILE FEEDER; MF1-3 MAIN DRIVE-F10/11; SPECIFICATION: MP4-00400- ELEC-00; PART NO: LR9F5363; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	54		
269	0675643	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: PUSHBUTTON; POTENTIAL: 100 VDC; CURRENT: 6 A; SHORT TIME CURRENT: 10 KA; POLE: 2; CONTROL VOLTAGE: 10 KV; CREEPAGE: 28 MM; BASIC INSULATION LEVEL: 6 KV; INSULATION MATERIAL: MOLDED; OPERATING CONTROL TYPE: ON/OFF SWITCH; POLLUTION CLASS: 2; APPLICATION: MF1- 3 MAIN DRIVE-Q10; MOBILE FEEDER; SPECIFICATION: IC60; SUPPL P/N: A9F77206	No	54		
270	0675646	METER, HOUR: TYPE: MECHANICAL COUNTER; ACCURACY: 100 PCT; MEASUREMENT RANGE: 220 VAC; APPLICATION: MOBILE FEEDER; MF1-3 MAIN DRIVE-D02; SUPPL P/N: XBK70000002M	No	54		



271	0675811	RELAY, CONTROL: CONTACT RATING: 10-40 A; CONTACT ARRANGEMENT: 1NO 1NC; COIL VOLTAGE: 500 VAC; ACTION: SPST; MOUNT: BASE; TERMINAL: 11 PIN; CONTACT MATERIAL: AG PLTD; ENCLOSURE RATING: IP20; SPECIFICATION: MF1-3 MAIN DRIVE-A01; TYPE: EARTH LEAKAGE; PART NO: GA0- 0375-0-0-0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	46		
272	0675812	RELAY, CONTROL: CONTACT RATING: 10 A; CONTACT ARRANGEMENT: 1NO 1NC; COIL VOLTAGE: 230 VAC; ACTION: SPST; MOUNT: BASE; TERMINAL: 4 PIN; CONTACT MATERIAL: AG PLTD; ENCLOSURE RATING: IP20; SPECIFICATION: MF1-3 MAIN DRIVE-4CD; PART NO: RXM4AB1P7; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	54		
273	0675814	TRANSFORMER, CURRENT: TYPE: CORE BALANCE; POTENTIAL: 0.66 KVAC; SHORT CIRCUIT CURRENT: 2.5 KA; CORE TYPE: 1D; CREEPAGE: 63 MM; CURRENT: 0.5-1 A; SPECIFICATION: MF1-3 MAIN DRIVE-T01; PART NO: BTX0001; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	32		
274	0626274	FUSE: TYPE: CYLINDRICAL; CURRENT: 2 A; MATERIAL: CERAMIC; POTENTIAL: 500 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 10 X LG 38 MM; SUPPL P/N: 420002	No	20		
275	0693930	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: PUSHBUTTON; POTENTIAL: 100-600 VAC; CURRENT: 4500 A; SHORT TIME CURRENT: 6 KA; POLE: 1; CONTROL VOLTAGE: 230-400 V; CREEPAGE: 906 MM; BASIC INSULATION LEVEL: 8 KV; INSULATION MATERIAL: PLASTIC HARD; OPERATING CONTROL TYPE: ON/OFF SWITCH; POLLUTION CLASS: 2; APPLICATION: BUFFALO FEEDER; SPECIFICATION: ACTI9 IC60A; IEC 60898-1; IEC 60947-2; TYPE: C CURVE; SUPPL P/N: A9F64103	No	6		
276	0693934	CONTACT: TYPE: FIXED; POTENTIAL: 1 KV; CURRENT: 76 A; MATERIAL: AG PLTD; APPLICATION: BUFFALO FEEDER; SUPPL P/N: 3044199; FEED THROUGH TERMINAL BLOCK, SCREW TERMINATION, SERIES UT 16; WIRE SIZE: 16.4AWG; CABLE CSA: 1.5 X 25MM2; COLOUR GREY; NUMBER OF LEVELS SINGLE; TERMINATION METHOD SCREW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	32		
277	0694141	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 690 VAC; CONNECTION TYPE: CLIP; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: HIGH SPEED; SUPPL P/N: DF-492137	No	110		

278	0694272	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 6 A; VOLTAGE PROTECTION LEVEL: 4100 V; RATED INSULATION VOLTAGE: 500 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 6 KA; POLLUTION CLASS: 3; SPECIFICATION: IEC 60947-2; APPLICATION: BREAKERS; PROTECTION: OVERLOAD/SHORT CIRCUIT; SUPPL P/N: A9F64206	No	54		
279	0694273	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 32 A; VOLTAGE PROTECTION LEVEL: 4100 V; RATED INSULATION VOLTAGE: 500 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 6 KA; POLLUTION CLASS: 3;SPECIFICATION: IEC 60947- 2;APPLICATION:BREAKERS;PROTECTION:OVERLOAD/SHORT CIRCUIT; SUPPL P/N: A9F64232	No	54		
280	0694274	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 2; CURRENT RATING: 63 A; VOLTAGE PROTECTION LEVEL: 4100 V; RATED INSULATION VOLTAGE: 500 V; IMPULSE WITHSTAND VOLTAGE: 6 KV; SHORT TIME CURRENT: 6 KA; POLLUTION CLASS: 3;SPECIFICATION: IEC 60947-2; APPLICATION: BREAKERS; PROTECTION: OVERLOAD/SHORT CIRCUIT;SUPPL P/N: A9F64263	No	72		
281	0694276	HOLDER, FUSE: POTENTIAL: 690 VAC; CURRENT: 320 A; FUSE SIZE: DIA 10 X LG 38 MM; FUSE STYLE: CARTRIDGE; MOUNT: DIN RAIL; CONNECTION TYPE: FRONT; SUPPL P/N: 485104	No	24		
282	0694278	FUSE, CARTRIDGE: CURRENT: 6 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 12.7 X LG 56 MM; TYPE: CURRENT LIMITING; SUPPL P/N: NIT6A	No	124		
283	0694279	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 415 VAC; CONNECTION TYPE: BOLTED; DIMENSIONS: DIA 12.7 X LG 56 MM; SUPPL P/N: NIT32A	No	54		
284	0694280	FUSE, CARTRIDGE: CURRENT:3.15 A; POTENTIAL: 250 VAC; CONNECTION TYPE: CLIP; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: SLOW BLOW; CASE MATERIAL: GLASS;SUPPL P/N: NH-AR-FNH1- 400KA	No	154		
285	0694281	FLASHLIGHT: TYPE: PILOT; SIZE NUMBER: CREE XM-L XML L2 LED; CELL: (4) AAA; LENS COLOR: CLEAR; MATERIAL: PLASTIC; POWER: 5 W; SUPPL P/N: AD16- 22SR23	No	72		
286	0694282	SWITCH, LIMIT: POTENTIAL: 300 V; CURRENT: 10 A; ACTION: SPST; ACTUATOR: MECH SWITCH ASSEMBLY; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: CLASS 1; SNAP-ACTION; PART NO: XCKM106H29; VENDORS ARE RESPONSIBLE FOR	No	72		

		ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
287	0695049	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: SINAMICA G120; OUTPUT RATING: 45 KW; POTENTIAL: 380-480 VAC; PHASE: 3; DIMENSIONS: WD 275 X LG 635 X HT 204; INPUT: 420 VAC; SPEED: 1500 RPM; CURRENT: 54 A; MOUNTING METHOD: BOLTED; CONTROL TYPE: VECTOR; ENCLOSURE: IP20; SUPPL P/N: 6SL3224-0BE33-7AA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	24		
288	0701194	BLOCK, TERMINAL: POTENTIAL: 1000 V; CURRENT: 232 A; WIRE SIZE: 95 MM2; CIRCUIT: 6; WIDTH: 25 MM; LENGTH: 80 MM; SUPPL P/N: 304340-AVK-95; FEED THROUGH	No	194		
289	0701196	BLOCK, TERMINAL: POTENTIAL: 600 V; CURRENT: 65 A; WIRE SIZE: 95 MM2; CIRCUIT: 2; WIDTH: 10 MM; LENGTH: 53.8 MM; SUPPL P/N: WKN10/U; FEED THROUGH	No	194		
290	0701199	RELAY, CONTROL: CONTACT RATING: 8 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 230 VAC; ACTION: 2PDT; MOUNT: DIN RAIL/PLUG-IN; TERMINAL: QUICK-CONNECT; ENCLOSURE RATING: IP20; TYPE: NON-LATCHING; SUPPL P/N: 465282300040; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	64		
291	0703822	SWITCH, PUSHBUTTON: HEAD STYLE: CIRCULAR; COLOR: RED; ELECTRICAL RATING: 24 V; ACTION: 1PST; CONTACT ARRANGEMENT: 1NO; MOUNT: REAR FLAT; SIZE: 22 MM; APPLICATION: PUSH BUTTONS AND SELECTORS; HOUSING: ALUMINIUM; SPECIFICATION: IP65; SUPPL P/N: LM2T B104; FLUSH MOMENTARY GRN P/BUTTON ACTUATOR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	154		
292	0703823	SWITCH, PUSHBUTTON: HEAD STYLE: CIRCULAR; COLOR: BLACK; ELECTRICAL RATING: 24 V; ACTION: 1PST; CONTACT ARRANGEMENT: 1NO; MOUNT: REAR FLAT; SIZE: 22 MM; APPLICATION: PUSH BUTTONS AND SELECTORS; HOUSING: ALUMINIUM; SPECIFICATION: IP66; SUPPL P/N: LM2T B634; PROTECTIVE BOOT FOR MUSHROOM HEAD BUTTONS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	94		

293	0703825	SWITCH, SELECTOR: OPERATED: HANDLE; POSITION: 1; POTENTIAL: 440 VAC; CURRENT: 32 A; CONTACT CONFIGURATION: AUTO/TEST; CONTACT ARRANGEMENT: 1NO; TYPE: Y7-95825; POWER: 15 KW; ACTION: 4PST; APPLICATION: LOW-VOLTAGE INDUSTRIAL COMPONENTS; CLASSIFICATION: IP65; SUPPL P/N: P1-32/V/SVB; RATED SHORT-CIRCUIT CURRENT: 80KA; DEGREE OF PROTECTION (NEMA): 12; SCREW CONNECTION; SHORT-TIME WITHSTAND CURRENT LCW: 0.64KA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	54		
294	0694271	BLOCK, TERMINAL: POTENTIAL: 1000 V; CURRENT: 24 A; WIRE SIZE: 9 MM; CIRCUIT: 3; WIDTH: 5.2 MM; LENGTH: 47.7 MM; SUPPL P/N: 3044076; M3 SCREW CONNECTION	No	24		
295	0693935	CONTACT: TYPE: PLUG; POTENTIAL: 1 KV; CURRENT: 125 A; MATERIAL: AG PLTD; APPLICATION: BUFFALO FEEDER; SUPPL P/N: 3044225; FEED THROUGH TERMINAL BLOCK, SCREW TERMINATION, SERIES UT 35; WIRE SIZE: 16.0AWG; CABLE CSA: 1.5 X 50 MM2; COLOUR GREY; NUMBER OF LEVELS: SINGLE; TERMINATION METHOD: SCREW; HAZARDOUS AREA CERTIFICATION: ATEX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	54		
296	0602275	HANDLE, EXTENSION: TYPE: ROTARY; DIMENSIONS: 300 MM; MATERIAL: BAKELITE/MS; MANUF P/N: LV429338; SUPPLIER: ANY SCHNEIDER DISTRIBUTOR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	32		
297	0703832	TRANSFORMER, CURRENT: TYPE: SPLIT; POTENTIAL: 720 V; SHORT CIRCUIT CURRENT: 0.1 KA; CORE TYPE: SPLIT; CREEPAGE: 24 MM; CURRENT: 150 A; PHASE: 1; COOLING TYPE: NATURAL AIR; INCLOSURE TYPE: IP55; WINDING MATERIAL: COPPER; SPECIFICATION: IEC/EN60044-1; IEC61010-1; CURRENT RATIO: 150/1 A; CLASS: CL 3; SUPPL P/N: JS24S-150/1A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	32		
298	0218842	DRIVE, VARIABLE SPEED: RATIO: 1:1; INPUT RPM: 0-1500 RPM; OUTPUT RPM: 0-1500 RPM; POWER: 40kW; POWER SOURCE: 380 VAC 9 A 3 PH; REFERENCE NO: SACFW110010T4SZ; COMPLETE WITH EBB CARD, HARDWARE REVISION 56; SOFTWARE REVISION 2.62; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	12		

299	0694275	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: BACKPLATE; TYPE: COMPACT; POLES: 2; CURRENT RATING: 100 A; VOLTAGE PROTECTION LEVEL: 4100 V; RATED INSULATION VOLTAGE: 750 VAC; IMPULSE WITHSTAND VOLTAGE: 8 KV; SHORT TIME CURRENT: 6 KA; POLLUTION CLASS: 3; SPECIFICATION: IEC 60947-2; APPLICATION: BREAKERS; PROTECTION: OVERLOAD/SHORT CIRCUIT; SUPPL P/N: NS100N-TM16D	No	24		
300	0587413	RELAY, THERMAL: TYPE: TEMPERATURE CONTROL; COIL VOLTAGE: 690 VAC; CONTACT RATING: 5.5 - 8 A; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE RATING: OPEN; OPERATING TEMP RANGE: -5 TO 60 DEG C; MANUF P/N: LRD12; SPECIFICATION: C.O.C; Q4:NSF:NC:0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	No	24		
301	0557325	BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 300 A; POLE: 3; MANUF P/N: NS400N STR23SE 32693	No	24		
302	0623554	EARTH LEAKAGE: BP364; WELDING SOCKET; 63 A	No	54		
303	0637344	CONNECTOR: TYPE: BUS; DIMENSIONS: WD 40 X HT 65 X THK 16 MM; MATERIAL: PLASTIC; SPECIFICATION: ISO 9001; MANUF P/N: 6ES7972- 0BA12-0XA0	No	24		
304	0703810	CONTACTOR: TYPE: TESYS F; LINE VOLTAGE: 1000VAC/460VDC; COIL VOLTAGE: 24 VDC; CURRENT: 115 A; POLE: 3; ENCLOSURE RATING: IP2X; SPECIFICATION: AC-3; CONTACT ARRANGEMENT: 3NO; SUPPL P/N: LC1-F115 +LX1FF110	No	12		
305	0248774	RELAY, OVERLOAD: TRIP RANGE: 1-1.6 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: DIRECT BENEATH CONTACTOR; OPERATING TEMP RANGE: -20 TO 60 DEG C; MANUF P/N: LRD-06; NO. OF POLES: 3 INSULATION: 690 V; AUXILIARY; DIMENSIONS: 45 X 46 X 70; TOTAL WEIGHT: 0.124	No	40		
306	0693814	CONTACTOR: TYPE: A-LINE; LINE VOLTAGE: 244 VAC; COIL VOLTAGE: 110 VAC; CURRENT: 25 A; POLE: 3; SPECIFICATION: SERIES LC1D; CONTACT ARRANGEMENT: 3NO; SUPPL P/N: LC1D25F7; POWER RATING 11 KW; RANGE TESYS D; TERMINAL TYPE SCREW, WIDTH 45MM, DEPTH 90MM, MAXIMUM OPERATING TEMPERATURE: 60 DEG C; MINIMUM OPERATING TEMPERATURE: - 5 DEG C; DIMENSIONS: LG 85MM	No	40		
307	0708028	RESISTOR: RESISTANCE: 56 OHM; RATING: 0.65 KW; CONNECTION: THD; MATERIAL: CERAMIC CORE; TOLERANCE: +/-5 PCT; TYPE: MICROMASTER; SPECIFICATION: AL:N/ECCN:N; CURRENT: 2.5 A; SUPPL P/N: 6SE6400-4BD16-5CA0; 4 BRAKING RESISTOR; M6 STUDS	No	16		
308	0708030	REACTOR: TYPE: OUTPUT; REACTIVE POWER: 70 KVA; POTENTIAL: 400 V; PHASE: 3; CURRENT: 178 A; INSULATION MATERIAL: GLASS FIBRE; APPLICATION: LIMESTONE RECLAIMER 07BFN; SUPPL P/N: 6SE6400-3TC14-5FD0; SPECIFICATION: FS F-0.2 MH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE	No	9		

		PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
309	0708033	INDUCTOR: TYPE: REACTANCE COIL; MATERIAL: GLASS FIBRE; POWER SUPPLY: 400 V 260 A 3P; APPLICATION: MOTOR; STANDARD: EC002025; SUPPL P/N: 6SL3000-2BE32-6AA0	No	45		
310	0708034	TRANSFORMER, INSTRUMENT: TYPE: CONTROL, CURRENT: 0.5 A, POTENTIAL: 400/230 V, APPARENT POWER: 50 VA, CONNECTION: THD, SPECIFICATION: IEC/EN 61558-2-4; SUPPL P/N: 73N0500000	No	12		
311	0663284	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: DIN RAIL; TYPE: MINIATURE; POLES: 1; CURRENT RATING: 6 A; VOLTAGE PROTECTION LEVEL: 500 VAC; SHORT TIME CURRENT: 48 A; SERVICE SHORT CIRCUIT BREAKING CAPACITY: 4500 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 6 KA; POLLUTION CLASS: 3; ENCLOSURE RATING: IP20 B; SPECIFICATION: IEC 60947-2; EN 60898-1; APPLICATION: COAL STACKER/RECLAIMER; PROTECTION: THERMAL MAGNETIC; CONTROL TYPE: TOGGLE; MANUF P/N: A9F64106; REFERENCE NO: ACTI 9 IC60A; C CURVE; AMBIENT TEMPERATURE FOR OPERATION -35 TO 70 DEG C; WIDTH 18 MM; DEPTH 78.5 MM; COLOUR WHITE	No	72		
312	0675247	TRANSFORMER, CURRENT: POTENTIAL: 1 KV; CURRENT: 500-1.5 A; SHORT CIRCUIT CURRENT: 10 KA; CORE TYPE: IRON; CREEPAGE: 15 MM; APPARENT POWER: 10 VA; PHASE: 1; INCLOSURE TYPE: NATURAL; WINDING MATERIAL: CU; CURRENT RATIO: 500/1.5; TYPE: RING; CLASS: 10P10; SUPPL P/N: WTI500/1.5A-10P10-10VA; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	No	5		
313	0120047	DESICCANT: TYPE: SILICA GEL; CONTAINER: BAG 25 KG; MESH: 3-6 MM; ENVIROGEL ORANGE INDICATING BEADS; FOR USE ON TRANSFORMER BREATHERS; TO BE PROPERLY SEALED SO THAT MOISTURE WILL NOT BE ABSORBED; DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY	No	9		
314	0662091	GASKET, PRE CUT: DIMENSIONS: WD 1870 X LG 1956 MM; THICKNESS: 6 MM; TYPE: SEALING CORK; MATERIAL: NEOPRENE BONDED CORK; SHAPE: RECTANGULAR	No	8		
315	0644842	SAM Unit - SAM Unit - Part No X00E 5020 0176	No	12		
316	0644850	Fuel Cooler No Fittings - Fuel Cooler No Fittings - Part No 2400000600	No	12		
317	0656440	FUSE gG 125A 22x58 500V WITH STRIKER - Part Number -0108010029	No	96		
318	0643843	FUSERBLOC 2P 100A FOR DIRECT COMMAND 22x58 - Part Number -5620600025	No	96		
319	0643844	FUSERBLOC 2P 125A FOR DIRECT COMMAND 22x58 - Part Number -5620600026	No	96		

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

320	0641811	FUSE UR 63A SIZE 000 690V WITH BLOWN-FUSE INDICATOR - Part Number - 5800300018	No	96		
321	0641813	FUSE UR 200A SIZE 00 690V WITH BLOWN-FUSE INDICATOR - Part Number - 5800300023	No	96		
322	0643566	FUSE UR 80A AMERICAN FORM 101 500V - Part Number -5800300027	No	96		
323	0641812	FUSE UR 125A AMERICAN FORM 101 500V - Part Number -5800300028	No	96		
324	0641862	CIRCUIT BREAKER 3P 40A XTMAX XT1B 160 F FC - 18kA - TMD40 - Part Number - 5810300509	No	20		
325	0641864	CIRCUIT BREAKER 3P 50A XTMAX XT1B 160 F FC - 18kA - TMD50 - Part Number - 5810300512	No	20		
326	0643892	CIRCUIT BREAKER 3P 63A XTMAX XT1B 160 F FC - 18kA - TMD63 - Part Number - 5810300517	No	20		
327	0641863	CIRCUIT BREAKER 3P 80A XTMAX XT1B 160 F FC - 18kA - TMD80 - Part Number - 5810300522	No	20		
328	0643894	ONE PHASE + NEUTRAL LIGHTNING ARRESTER TYPE 2 350VAC (415VAC MAX) 20/40kA - Part Number -5820200016	No	20		
329	0643895	TWO PHASES LIGHTNING ARRESTER TYPE 2 240VAC/415VAC 25kA max - Part Number -5820200037	No	20		
330	0656439	FUSE gG 8A 10x38 500V WITHOUT STRIKER - Part Number -0108010073	No	96		
331	0593520	IGBT TRENCH TRANSISTOR 600V 300A MARKED IN VCESAT - Part Number - 5053300004	No	50		
332	0641814	FUSE UR 630A SIZE 3 690V WITH STRIKER + MICROSWITCH - Part Number - 5800300070	No	96		
333	0734697	CIRCUIT BREAKER 3P 800A TMAX T6N 800 F F - 36kA - Part Number -5810300368	No	15		
334	0641860	CIRCUIT BREAKER 3P 250A XTMAX XT3N 250 F FC - 36kA - TMD250 - Part Number - 5810300545	No	15		
335	0641855	CIRCUIT BREAKER 4P 160A XTMAX XT1B 160 F FC - 18kA - TMD160 - Part Number - 5810400253	No	15		
336	0656014	FUSE UR 250A 6,9 URD 31 TT F 0250 - Part Number -0108020055	No	96		
337	0641819	IGBT TRANSISTOR 200A/600V - Part Number -5053300008	No	50		
338	0643902	CIRCUIT BREAKER 3P 160A XTMAX XT1N 160 F FC - 36kA - TMD160 - Part Number - 5810300539	No	20		
339	0643905	CIRCUIT BREAKER 4P 100A XTMAX XT1B 160 F FC - 18kA - TMD100 - Part Number - 5810400243	No	20		
340	0643917	FUSERBLOC 2P 250A FOR DIRECT COMMAND SIZE 1 - Part Number -5620600029	No	96		

341	0643641	FUSE UR 250A SIZE 1 690V WITH STRIKER + MICROSWITCH - Part Number - 5800300066	No	96		
342	0643906	CIRCUIT BREAKER 4P 63A XTMAX XT1B 160 F FC - 18kA - TMD63 - Part Number - 5810400233	No	20		
343	0593534	IGBT TRENCH TRANSISTOR 600V 200A MARKED IN VCESAT - Part Number - 5053300003	No	50		
344	0693621	FREE WHEEL DIODE FOR RELAY TYPE 230V CARD - Part Number -0106590028	No	20		
345	0693617	HALL EFFECT CURRENT SENSOR OPEN LOOP 300A (250-700A) - Part Number - 0107020042	No	50		
346	0643903	CIRCUIT BREAKER 3P 100A XTMAX XT1B 160 F FC - 18kA - TMD100 - Part Number - 5810300527	No	20		
347	0693829	ONE PHASE LIGHTNING ARRESTER TYPE 2 BASE WITH REMOTE CONTACT - Part Number -5820200013	No	20		
348	0643639	FAST FUSE 6.9 AR 31TTF 0450A WITH FUSION INDICATOR - Part Number -5800300087	No	96		
349	0641861	CIRCUIT BREAKER 3P 200A XTMAX XT3N 250 F FC - 36kA - TMD200 - Part Number - 5810300542	No	20		
350	0643893	CIRCUIT BREAKER 3P 320A TMAX T5N 400 F F - 36kA - TMA320 - Part Number - 5810300231	No	20		
351	0641858	CIRCUIT BREAKER 3P 400A TMAX T5N 400 F F - 36kA - TMA400 - Part Number - 5810300222	No	20		
352	0643901	CIRCUIT BREAKER 3P 500A TMAX T5N 630 F F - 36kA - TMA500 - Part Number - 5810300225	No	20		
353	0643900	FOUR PHASES LIGHTNING ARRESTER TYPE 2 3 PHASES + NEUTRAL 240VAC (350VAC MAX) 60/120kA (L-N) - 20/40kA (N-PE) - Part Number -5820200035	No	20		
354	0643642	FAST FUSE 6.9 AR 30 TTF 0125A WITH FUSION INDICATOR - Part Number -5800300086	No	96		
355	0643644	FUSE UR 400A SIZE 1 690V WITH STRIKER + MICROSWITCH - Part Number - 5800300068	No	96		
356	0693828	ONE PHASE LIGHTNING ARRESTER TYPE 2 400VAC (440VAC MAX) 20/40kA - Part Number -5820200027	No	20		
357	0593121	MODULE: TYPE: THYRISTOR CONTROL; APPLICATION: UPS CHLORITE; OEM P/N: 0104020111; THYRISTOR ITAV = 26A; 1200V	No	50		
358	0745423	MODULE THYRISTOR-THYRISTOR ITAV = 162A 1200V - Part Number -5052200001	No	50		
359	0593122	MODULE THYRISTOR-THYRISTOR ITAV = 91A 1200V - Part Number -0104020123	No	50		
360	0593120	MODULE THYRISTOR-THYRISTOR ITAV = 56A 1200V - Part Number -0104020117	No	50		



361	0735315	S/A BRDG UPS UPS A-2 (B6C)3 (6XSKKT92 + 3FUR 250A S150X400) - PART NUMBER - 5047013300	No	20		
362	0579791	S/A BRDG UPS UPS A-2 (W3C)3 (6XSKKT57 + 3FUR 250A S150X400) - PART NUMBER -5047019300	No	20		
363	0734472	3PHASE BRIDGE 600A NC COMPOSED 6XST330C14 + 3XAR82/240/240 + 240 /495 - PART NUMBER -104061061	No	20		
364	0735796	S/A BRDG UPS UPS A-2 (W3C)3 (6XSKKT57 + 3FUR 450A S150X400) - PART NUMBER -5047019400	No	20		
365	0693792	FUSE, HOLDER: LOW VOLTAGE, RATED CURRENT: 32A, RATED VOLTAGE: 690VAC, MOUTING: DIN RAIL OR SCREW MOUNTING, APPLICATION: FUSE-LINK NITD, STANDARD APPROVAL: BS, P/N: CM32FC	No	25		
366	0117226	FUSE: LOW VOLTAGE, RATED CURRENT: 20A, RATED VOLTAGE: 440VAC, CONNECTION: BLADE END, CLASS: GS/GL, , STANDARD APPROVAL: BS, P/N: NS20	No	25		
367	0751067	FUSE: LOW VOLTAGE, RATED CURRENT: 63A, RATED VOLTAGE: 500VAC, BREAKING CAPACITY: 120kA, CONNECTION: KNIFE TYPE(NH), DIMENSIONS (L x H x B): 78.5 x 53 x 21 mm , STANDARD APPROVAL: BS, P/N: NH000 (381055).	No	39		
368	0731155	SWITCH, PUSHBUTTON: CONTACT TYPE: 1NO, CONTRACT OPERATION: SLOW-BREAK, OPERATOR PROFILE: GREEN, TYPE OF OPERATOR:SPRING RETURN, CONNECTIONS: SCREW CLAMP TERMINAL, MOUNTING DIAMETER: 22MM, P/N: XB4BA42.	No	10		
369	0665073	PROTECTOR, OVERLOAD: CURRENT: 0.9-1.25 A; TRIP RANGE: 0.9-1.25 A; POLE: 3; POTENTIAL: 400 VAC; TYPE: MOTOR STARTER; FREQUENCY: 50 HZ; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: PLUG IN; TERMINAL: SCREW; INDUSTRY SIZE: 500; SUPPLY VOLTAGE: 400 VAC; SUPPL P/N: 3RV2011-0KA10; FITTED WITH AUXILIARY SWITCH P/N: 3RV2901-1A; ISOLATOR MODULE P/N: 3RV2928-1A; MUST BE SUPPLIED WITH ALL ACCESSORIES	No	25		
370	0732382	MECHANISM: TYPE: HANDLE & SHAFT; APPLICATION: FUSED ISOLATOR; SUPPL P/N: 8UD1171-2AF21; DOOR-COUPLING ROTARY OPERATING MECHANISM STANDARD WITH TOLERANCE COMPENSATION SIZE 75X75MM	No	25		
371	0731852	SWITCH: TYPE: AUXILIARY; POTENTIAL: 240 VAC; POLLUTION DEGREE: 3, CURRENT: 6 A; TYPE: CHANGEOVER CONTACT (HQ), P/N: 3VA9988-0AA12	No	8		
372	0690276	RELAY: TYPE: RM 6; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 3NO; CONTACT RATING: 10 A; ACTION: 3NO (SPST); TERMINAL: PLUG IN; MOUNT: PLUG-IN VERSION ON BASE; ENCLOSURE RATING: IP 00; CONTACT MATERIAL: AGCDO; SPECIFICATION: IEC 61810; OEM P/N: RM602024; 3BHB010569R0001; CONTACT GAP 3 MM; RATED VOLTAGE 230 VAC; SWITCHING POWER 3800 VA; FREQUECY OF OPERATION WITH/WITHOUT LOAD PER HOUR 960/6000/H	No	8		

373	4537	FUSE, CARTRIDGE: CURRENT: 200 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 46	No	15		
374	4538	FUSE, CARTRIDGE: CURRENT: 160 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 28	No	27		
375	4541	FUSE, CARTRIDGE: CURRENT: 100 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 20	No	33		
376	4544	FUSE, CARTRIDGE: CURRENT: 80 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 40	No	12		
377	4798	BREAKER, CIRCUIT: CURRENT: 32 A; POLE: 2; MANUF P/N: 5SN2332; SUPPL P/N: C45N; CONVEYOR ELEC SPARES	No	6		
378	117667	HOLDER, FUSE: POTENTIAL: 660 VAC/DC; CURRENT: 630 A; FUSE STYLE: BLADE; CONNECTION TYPE: SCREW TERMI	No	6		
379	0117714	FUSE CARTD:50 A;500 VAC;FERRULE;CER	No	42		
380	0117724	FUSE CARTD:125 A;500 VAC;BLADE KNIFE;CER	No	36		
381	0117750	FUSE CARTD:63 A;500 VAC;BLADE KNIFE;CER	No	366		
382	0117751	FUSE CARTD:32 A;500 V;BLADE;FAST BLOW	No	84		
383	0117753	FUSE CARTD:10 A;500 VAC;BLADE KNIFE;CER	No	18		
384	0118197	FUSE CARTD:400 A;500 VAC;BLADE KNIFE;CER	No	7		
385	0118288	FUSE CARTD:630 A;500 VAC;BLADE KNIFE;CER	No	6		
386	118554	FUSE CARTD:4 A;250 VAC;DIA 5 X LG 25 MM	No	5		
387	0119449	LEVER SWCH:ISOLATOR;LG 200 MM;BAKELITE	No	12		
388	0120646	SWITCH DSCNCT:FUSED ISOLATOR;660 VAC	No	18		
389	0125728	RELAY OVRLD:0.63-1 A;THERMAL;1NO 1NC;10	No	6		
390	0125769	RELAY OVRLD:4-6 A;THERMAL;1NO 1NC	No	6		
391	0125802	CONTACTOR:CONTROL;380/400 VAC;220 VAC;9	No	5		
392	0126131	CONTACTOR:CONTROL;600 VDC;220 VDC;32 A;2	No	12		
393	0126508	CONTACTOR:MOTOR;600 VDC;220 VDC;250 A;2	No	18		
394	0142328	CONTACTOR:CONTROL;600 VDC;220 VDC;75 A;2	No	7		
395	0151528	RELAY T-DELAY:ON 0.05 S TO 10 HR;220 VAC	No	6		
396	172837	FUSE CARTD:20 A;550 V;OFFSET TAGS;80 KA	No	5		
397	0182794	METER KWH:ELSTER A1700;100 A;RS232	No	12		

398	0216525	RELAY CTRL:0.9 W;2NO 2NC;24 VDC;DPDT	No	18		
399	221061	FUSE CARTD:250 A;550 V;BLADE;INDICATING	No	6		
400	221068	FUSE CARTD:500 A;550 V;BLADE;INDICATING	No	6		
401	221078	FUSE CARTD:6 A;500 V;BLADE;INDICATING	No	5		
402	228411	BLOCK CONTCT:SWITCH;230 VAC;2;1NO 1NC;6	No	12		
403	0235829	SWITCH SELCTR:KNOB;6;600 VAC;20 A;6PST	No	18		
404	0235869	CONTACT AUX:1NO 1NC;10 A;690 V	No	6		
405	0235870	CONTACTOR:CONTROL;690 V;230 V;10 A;4	No	5		
406	0242118	RELAY SLD STATE	No	12		
407	0247384	ISO:400 VAC;63 A;3;22 KW	No	18		
408	0248214	MODULE:HIGH RIPPLE ALARM;24 V DC	No	6		
409	0248754	ISO:400 VAC;115 A;3;37 KW	No	6		
410	0249292	RELAY:MONITORING;160-500 VAC;2NO 2NC;3P	No	5		
411	249959	BLOCK CONTCT:AUXILIARY;230 VAC;2NO 2NC	No	12		
412	0250278	HANDLE:SWITCH DISCONNECTOR;SQ 8 MM;STL	No	18		
413	0250611	RELAY SLD STATE:SECURE SUPPLY;110 VDC	No	5		
414	250851	LINK FUSE:HRC;630 A;500 V	No	12		
415	250852	LINK FUSE:LV HRC ISOLATING;125 A;500 V	No	18		
416	250933	BKR:380 V;100 A;WD 440 MM;LG 440 MM	No	6		
417	0251438	SWITCH DSCNNCT:FUSED;400 V;63 A;3PDT	No	6		
418	0251440	SWITCH DSCNNCT:FUSED;400 V;160 A;3PDT	No	5		
419	0251441	SWITCH DSCNNCT:FUSED;400 V;250 A;3PDT	No	12		
420	0251443	SWITCH DSCNNCT:FUSED;400 V;630 A;3PDT	No	18		
421	251450	LINK FUSE:NEUTRAL;32 A;380 VAC	No	15		
422	251484	BLOCK CONTCT:AUXILIARY;230 VAC;2NO 2NC	No	15		
423	251496	BLOCK CONTCT:AUXILIARY;230 VAC;1NO 1NC	No	7		
424	251526	BASE RLY:14 PIN;WD 28 MM;24 V	No	6		
425	251528	BASE RLY:PLUG IN 4 CONTACT;WD 22.5 MM;6	No	5		
426	251537	BASE RLY:PLUG IN 2 POLE;WD 38 MM;230 VAC	No	12		

427	251616	BASE RLY:INTERPOSING;24 VDC	No	18		
428	0251664	CONTACTOR:MAIN;400 V;230 VAC;3;2NO 2NC	No	6		
429	0251678	CONTACTOR:MAIN;400 V;230 VAC;150 A;3	No	6		
430	0251686	CONTACTOR:MAIN;400 V;230 VAC;3;2NO 2NC	No	5		
431	0251699	CONTACTOR:MAIN;400 V;230 VAC;3	No	12		
432	0251809	RELAY OVRLD:50-200 A;THERMAL;1NO 1NC	No	18		
433	0251889	CONTACT AUX:TRIP INDICATING;1NO;6 A;400	No	6		
434	0252077	METER ELECT:AMP;0-100 A;ANALOG;SQ 48 MM	No	6		
435	0252129	METER ELECT:AMP;0-30 A;ANALOG;SQ 48 MM	No	5		
436	252920	BKR:690 V;50 A;3;CL10;S2;WD 55 MM;LG 144	No	12		
437	0253311	TRANSDUCER:VOLTAGE;I/P 0-300 VDC	No	18		
438	0253339	SWITCH SELCTR:KNOB;2;300 VAC;10 A;ON-OFF	No	50		
439	0254284	SWITCH SELCTR:KNOB;4;690 V;20 A;R/W/B	No	7		
440	0254285	SWITCH SELCTR:KNOB;4;690 V;20 A;PH-PH	No	6		
441	404395	FUSE CARTD:100 A;400 V;OFFSET TAG;80 KA	No	5		
442	0500634	CT:400 VAC;630:1;15 VA	No	12		
443	0501125	SIMOCODE EARTH FAULT MODULE, WORKS WITH 3UL22, CONNECTION TO BASE UNIT	No	18		
444	0501127	MODULE:CURRENT MEASURING;I/P 63-630 A	No	6		
445	0502223	MODULE:BATTERY	No	6		
446	0502235	MODULE:USV	No	5		
447	552870	BKR:400 V;1.6 A;3;MOTOR PROTECTION;100	No	12		
448	0553060	RELAY:PROTECTION;8NO 8NC;3PST;67;PANEL	No	18		
449	0553207	CONNECTOR ELECT:CABLE;0.025 M	No	6		
450	0554720	TIMER:RELAY;0.5S-10S; 5MIN-100HR;24/240	No	6		
451	557476	SWITCH SELCTR:PLC	No	5		
452	561543	BKR:380 V;63 A	No	12		
453	575209	BKR:400-415 VAC;250 A;3;FEN36TD250KF;50	No	18		
454	575263	CONTACTOR:400 VAC;220-240VAC/VDC;115 A;3	No	16		

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455	575265	SWITCH PUSHBTN:FLAT RD BUTTON;GREEN;1NO	No	7		
456	575266	CONTACTOR:440 V;230 V;15.5 A;3;IP20	No	6		
457	575274	MODULE:MOTOR MANAGMENT;I/P 24 V;MOTOR	No	5		
458	575282	SWITCH:INDICATOR;220 V;6 A;1NO 1NC;SP	No	12		
459	575285	CONTACTOR:HEATER;400 VAC;220VAC 240VDC;3	No	18		
460	581953	BKR CCT LV:DIN RAIL;MOTOR;690 V;3;1.6 A	No	6		
461	581954	BKR:690 V;0.8 A;3;WD 81 MM;HT 90 MM;100	No	5		
462	581955	BKR:690 V;1.25 A;3;WD 45 MM;HT 90 MM;2	No	12		
463	581956	BKR:690 V;1.63 A;3;WD 45 MM;HT 90 MM;100	No	18		
464	581957	BKR:690 V;0.5 A;3;WD 45 MM;HT 90 MM;100	No	18		
465	581958	BKR:690 V;0.72 A;3;WD 45 MM;HT 90 MM;100	No	6		
466	581959	BKR:690 V;10 A;3;MOTOR;SCREW/SNAP ON;6	No	6		
467	581960	BKR:690 V;40 A;3;MOTOR;SCREW;50 KA	No	5		
468	581961	BKR:690 V;80-100 A;3;MOTOR;50 KA	No	12		
469	581964	BKR:690 V;8 A;3;WD 45 MM;HT 97 MM;TRF	No	18		
470	581970	BKR:690 V;1.6 KA;3;null;null;55 KA	No	18		
471	581973	BKR:690 V;12.5 A;163 A;3;3;IP20;DIN RAIL	No	6		
472	581974	BKR:230/400 V;1 A;1;WD 18 MM;HT 90 MM;10	No	6		
473	581975	BKR:230/400 V;10 A;1;WD 18 MM;HT 90 MM	No	5		
474	581976	BKR:400 V;16 A;2;HT 90 MM;MCB;10 KA	No	12		
475	581977	BKR:230/400 V;8 A;1;MCB;10 KA	No	18		
476	581978	BKR CCT LV:DIN RAIL;MINIATURE;440 V;1;4	No	6		
477	581979	BKR:230/400 V;20 A;1;WD 18 MM;HT 90 MM	No	5		
478	581980	BKR CCT LV:RAIL;MCB;250 V;1;6 A;440 V;10	No	12		
479	581981	BKR:230/400 V;2 A;1;MCB;10 KA	No	18		
480	581990	BKR:230 V;2 A;1; N;WD 35.2 MM;HT 89.8 MM	No	6		
481	581993	BKR:690 V;630 A;3;OVERCHARGE TRIP;20 KA	No	6		
482	0582078	METER ELECT:MEASURING;DIGITAL;SQ 96 MM	No	5		
483	582426	BLOCK CONTCT:SWITCHING ELEMENT;2;1NO 1NC	No	12		

484	0582510	TRFR PWR:2.5 KVA;400-230 V;1	No	18		
485	0582683	CONTACTOR:CONTROL;690VAC/440VDC;230 VAC	No	16		
486	0582685	CONTACTOR:CONTROL;400 V;240 VAC;275 A	No	16		
487	0582709	CT:720 V;1500 A;10 VA;PLUG IN;AIR;1500:1	No	7		
488	0582721	HANDLE:PANEL;71 MM2;PLASTIC;RED/YELLOW	No	6		
489	0582722	HANDLE:DOOR INTERLOCK;GREY	No	5		
490	0583320	CONTACT:SIGNAL CONTACT /SWITCH;230 V;6 A	No	12		
491	0583328	TRFR:CONTROL;690-230 V;1;3KVA	No	18		
492	0583329	TRFR INSTR:75/1 A;5 VA;3;SCREW	No	6		
493	0583331	EARTH LEAKAGE:RESIDUAL CURRENT;25 A;230	No	6		
494	0583332	EARTH LEAKAGE:RESIDUAL CURRENT;16 A;230	No	5		
495	583334	BASE FUSE:3;400V/250VDC;16 A;A2;D01	No	12		
496	0583337	MONITOR:GROUND FAULT;3MA-16A	No	18		
497	0583340	REGLTR:TEMPERATURE;2-90VDC/48-253VAC	No	16		
498	583350	ARRSTR ELECT:SURGE;2;THERMO PLASTIC;1.5	No	7		
499	0583353	VENT:ROOF MOUNT FAN;420 X 65 X 340 MM	No	6		
500	0583354	VENTILATOR:FAN/FILTER UNIT;323 X 12.5 MM	No	5		
501	0583357	THERMOSTAT:CHANGE OVER CONTACT;5-60;5-10	No	12		
502	0583363	HOLDER LAMP:LED;BA 9S;2.6 W;PLASTIC	No	18		
503	0583364	LAMP LED:15 MA;1;230VAC/DC	No	6		
504	0583365	DIODE:ZENER;2SK4196LS-1E;3.25 W;5.8-6.6	No	6		
505	583380	FUSE:SWITCH DISCONNECT;250 A;690 VAC	No	5		
506	0583381	RELAY:PLUGGABLE INDUSTRIAL;24 VDC;SINGLE	No	12		
507	0583389	RELAY CTRL:6 A;2C/O;400/690 V;3P;RAIL	No	18		
508	0583402	LAMP:INDICATOR;400 V;BA9S;RED;1	No	7		
509	0583403	LAMP:INDICATOR;400 V;BA9S;CLEAR;1	No	6		
510	0583404	INDICATOR LGHT:LED ELEMENT;PLASTIC;12-30	No	5		
511	0583405	LAMP:INDICATOR;0.26 W;12-30 VAC/DC V;RED	No	12		
512	0583406	LAMP:INDICATOR;2500 V;RED;1	No	18		

513	0583409	SWITCH:PROTECTION;690 V;1.6 A;1NO;3P	No	6		
514	0583410	SWITCH:PROTECTION;690 V;20 A;1NO;3P	No	6		
515	0583416	PUSH BUTTON:CONBINATION	No	5		
516	0584285	PUSH BUTTON:MOMENTARY CONTACT	No	12		
517	584295	BKR CCT LV:DIN RAIL;MCB;1;10 A;440 V;440	No	18		
518	0597747	RELAY:LZX: PT570024;PLUG IN;24 VDC;6 A	No	16		
519	0600414	CONTACTOR:AUXILIARY;400 V;300 VDC;3 A;3	No	16		
520	0611111	ISOL:ANALOG ISOLATING MODULE;BAKELITE	No	16		
521	0613981	ISOL:FUSED;690 VAC	No	16		
522	615995	FUSE:CORROSION PROOF;125 A;690 VAC;LG 79	No	16		
523	0618650	CONTACTOR:AUXILIARY;380 V;220 V;25 A;3	No	16		
524	0621982	MODULE PWR SUP:PLC;I/P 120/230 VAC	No	7		
525	0622427	MODULE:6EP1961-3BA21;REDUNDANCY;I/P 24	No	6		
526	0622440	SWITCH:3RV1901-1E;AUXILIARY TRANSVERSE	No	5		
527	623495	FUSE CARTD:6 A;500 VDC;PUSH IN;120 KA	No	12		
528	623532	BKR:440 VAC; 125 VDC;2 A;2;WHITE;6-10 KA	No	18		
529	0624397	SWITCH:MICROSWITCH;250 VAC;2 A;1NO 1NC	No	6		
530	624398	LINK FUSE:LV HRC;250 A;500 V	No	6		
531	624399	LINK FUSE:LV HRC;160 A;500 V	No	5		
532	624400	BASE FUSE:2;690 VAC;1 KA;CER;2;LV HRC	No	12		
533	624401	BASE FUSE:1;690 VAC;160 A;CER;2;LV HRC	No	18		
534	0624402	SWITCH DSCNNCT:FUSED ISOLATOR;440 VDC;1	No	14		
535	0625863	CONTACTOR:MAIN;400 VAC;230 VAC;50 A;3	No	7		
536	0625864	CONTACTOR:MAIN;400 VAC;230 VAC;40 A;3	No	6		
537	0625889	CONTACTOR:MAIN;400 VAC;230 VAC;18 A;3	No	5		
538	0625890	CONTACTOR:MAIN;690 VAC;230 VAC;275 A;3	No	12		
539	0625891	CONTACTOR:MAIN;690 VAC;230 VAC;120 A;3	No	18		
540	0625898	CONTACTOR:RELAY;24 VDC;220 VDC;1 A;1;1 A	No	6		
541	0625899	CONTACTOR:RELAY LATCHED;220 VDC;220 VDC	No	6		

542	0625900	CONTACTOR:RELAY;220 VDC;24 VDC;10 A;1	No	5		
543	0625901	CONTACTOR:MAIN;690 VAC;230 VAC;50 A;3	No	12		
544	0625902	CONTACTOR:MAIN;690 VAC;230 VAC;60 A;3	No	18		
545	626255	FUSE CARTD:100 A;500 VAC;BLADE KNIFE;120	No	14		
546	626258	LINK FUSE:LV HRC;400 A;500 V	No	7		
547	626275	FUSE:CYLINDRICAL;10 A;CER;500 VAC	No	6		
548	626284	FUSE:CYLINDRICAL;63 A;CER;690 VAC	No	5		
549	626285	FUSE:CYLINDRICAL;125 A;CER;400 VAC	No	12		
550	626353	FUSE CARTD:25 A;500 VAC;BLADE KNIFE;120	No	18		
551	626361	BLOCK TRMNL:1 KVAC;16 A;16 MM2;2;WD 57;1	No	6		
552	626367	FUSE CARTD:50 A;500 VAC;BLADE KNIFE;120	No	6		
553	626368	FUSE CARTD:63 A;500 VAC;BLADE KNIFE;120	No	5		
554	626369	FUSE CARTD:200 A;500 VAC;BLADE KNIFE;120	No	12		
555	626370	FUSE CARTD:315 A;500 VAC;BLADE KNIFE;120	No	18		
556	626371	FUSE CARTD:10 A;690 VAC;BLADE KNIFE;120	No	14		
557	626372	FUSE CARTD:800 A;500 VAC;BLADE KNIFE;CER	No	14		
558	626373	FUSE CARTD:16 A;500 VAC;BLADE KNIFE;120	No	14		
559	626374	FUSE CARTD:20 A;500 VAC;BLADE KNIFE;120	No	8		
560	626375	FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 45 X LG 78 X HT 21 MM; INTERRUPT CAPACITY: 120 KA; TYPE: COMBINATION INDICATORS; CASE MATERIAL: CERAMIC; SPECIFICATION: IEC 60269-1/2; SIZE: NH000; FUSE OPERATING CLASS: GG; NON-INSULATED GRIPS	No	20		
561	626376	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 690 VAC; CONNECTION TYPE: KNIFE BLADE; DIMENSIONS: WD 72 X LG 149 X HT 60 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SPECIFICATION: IEC 60269-1/2; SIZE: NH2; FUSE OPERATING CLASS: GS; NON-INSULATED GRIPS	No	48		
562	626473	BASE FUSE:1;690 VAC;160 KA;CER;2;LV HRC	No	7		
563	626474	1;690 VAC;250 KA;CER;LV HRC	No	6		
564	626475	BASE FUSE:1;690 VAC;400 A;CER;2;LV HRC	No	5		
565	0627060	RELAY OVRLD:50-200 A;1NO 1NC;200 A;PANEL	No	12		



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566	0627061	RELAY OVRD:25-100 A;INO INC;100 A;SCREW	No	18		
567	0627062	RELAY OVRD:25-100 A;INO INC;100 A;SCREW	No	6		
568	0627063	RELAY OVRD:1.8-2.5 A;THERMAL;INO INC	No	6		
569	0627064	RELAY OVRD:0.35-0.5 A;THERMAL;INO INC	No	5		
570	0627067	RELAY OVRD:0.35-0.5 A;THERMAL;INO INC	No	12		
571	0627068	RELAY OVRD:0.9-1.25 A;THERMAL;INO INC	No	18		
572	0627069	RELAY OVRD:1.1-1.6 A;THERMAL;INO INC	No	18		
573	0627070	RELAY OVRD:2.8-4 A;THERMAL;INO INC;4 A	No	7		
574	0627071	RELAY OVRD:3.5-5 A;THERMAL;INO INC;5 A	No	6		
575	0627072	RELAY OVRD:4.5-6.3 A;THERMAL;INO INC	No	5		
576	0627073	RELAY OVRD:5.5-8 A;THERMAL;INO INC;8 A	No	12		
577	0627077	RELAY OVRD:7-10 A;THERMAL;INO INC;10 A	No	18		
578	0627078	RELAY OVRD:9-12.5 A;THERMAL;INO INC	No	6		
579	0627079	RELAY OVRD:14-20 A;THERMAL;INO INC;20 A	No	6		
580	0627080	RELAY OVRD:20-25 A;THERMAL;INO INC;25 A	No	5		
581	0628732	RELAY:TIMER;200-240 VAC; 24 VDC;INO INC	No	12		
582	0629208	PUSH BUTTON:EMERGENCY STOP	No	18		
583	0629917	SUPPRESSOR:VARISTOR SURGE;24-70 V DC	No	7		
584	0629918	KIT INSTLTN:ELECTRICAL;4	No	6		
585	0629919	MODULE:SIMOCODE MANAGEMENT;MOTOR	No	5		
586	0630011	MODULE:CURRENT;24 V;SIMOCODE EARTH FAULT	No	12		
587	0630014	RELAY T-DELAY:0.05-360 S;INC;SPST;1 A	No	18		
588	0630873	CONTACT AUX:LATERAL SWITCH;INO INC;400	No	6		
589	0630945	CONTACTOR:RELAY;230 VAC;230 VAC;10 A;10	No	6		
590	0630984	MODULE PWR SUP:STABILIZED UNIT	No	5		
591	0630985	MODULE:FREE WHEELING DIODE;6-230 V DC	No	12		
592	0631019	CONTACT AUX:TOP BLOCK;INO INC;10 A;690	No	18		
593	0631020	CONTACT AUX:LATERAL SWITCH;INO INC;10 A	No	50		
594	0631024	CONTACT AUX:POWER;INO INC;10 A;690 VAC	No	50		

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595	0631025	CONTACT AUX:LATERAL;1NO 1NC;10 A;690 VAC	No	10		
596	0631026	CONTACT AUX:MOTOR;3NO 1NC;10 A;690 VAC	No	3		
597	0631028	CONTACT AUX:MOTOR;2NO 2NC;10 A;690 VAC	No	3		
598	631030	LINK FUSE:CYLINDRICAL NEUTRAL;125 A;690	No	50		
599	631033	FUSE CARTD:6 A;690 VAC;PUSH IN;CER;CL GR	No	88		
600	0631034	HOLDER:ELECTRICAL SELECTOR SWITCH;SQ 22	No	50		
601	631038	HOLDER FUSE:690 VAC;32 A;CYLINDRICAL	No	10		
602	0631383	METER ELECT:CURRENT;0-630 A;ANALOG;SQ 96	No	8		
603	0631385	METER ELECT:CURRENT;0-2000 A;ANALOG;1.5	No	14		
604	0631386	METER ELECT:CURRENT;0-2500 A;ANALOG;1.5	No	14		
605	0631387	METER ELECT:CURRENT;0-1250 A;ANALOG;1.5	No	14		
606	0631388	METER ELECT:CURRENT;0-3200 A;ANALOG;1.5	No	8		
607	0631389	METER ELECT:CURRENT;0-800 A;ANALOG;SQ 96	No	7		
608	0631392	METER ELECT:CURRENT;0-1600 A;ANALOG;1.5	No	6		
609	0631394	METER ELECT:DC VOLT;0-300 VDC;ANALOG	No	5		
610	0631395	METER ELECT:CURRENT;0-1400-800 A;ANALOG	No	12		
611	0631396	METER ELECT:CURRENT;0-500 A;ANALOG;SQ 72	No	18		
612	0631397	METER ELECT:CURRENT;0-600 A;null;SQ 72	No	6		
613	0631398	METER ELECT:CURRENT;0-60 A;ANALOG;SQ 72	No	6		
614	0631399	METER ELECT:CURRENT;0-400 A;ANALOG;SQ 72	No	5		
615	0631400	METER ELECT:CURRENT;0-250 A;ANALOG;SQ 72	No	12		
616	0631401	METER ELECT:CURRENT;0-150-300 A;ANALOG	No	18		
617	0631402	METER ELECT:CURRENT;0-60-120 A;ANALOG	No	6		
618	0631403	TRANSDUCER:VOLTAGE;I/P 0-132 VAC	No	14		
619	0631404	TRANSDUCER:CURRENT;I/P 0-1 A;O/P 4-20 MA	No	7		
620	0631405	METER ELECT:AC VOLTAGE;0-500 VAC;ANALOG	No	6		
621	0631406	TRANSDUCER:DC CURRENT;I/P 0-50 MV	No	5		
622	0631484	LIGHT, INDICATING:LED;230 VAC;5 W;RED	No	12		
623	0631485	LIGHT, INDICATING:LED;230 VAC;5 W;WHITE	No	18		

624	0631486	LIGHT, INDICATING:LED;230 VAC;5 W;GREEN	No	6		
625	0631487	RELAY:SIGNAL;220 VDC;2NC;6 A;DPDT;PANEL	No	6		
626	0631488	RELAY:DC EARTH LEAKAGE;18-340 VDC;2PST	No	5		
627	0631489	RELAY:DC EARTH LEAKAGE;18-340 VDC;DPDT	No	12		
628	0631490	RELAY CTRL:230 V AC;2NO 2NC;230 VAC;2PST	No	18		
629	0631491	SWITCH SELCTR:HANDLE;3;600 VAC;20 A;9NO	No	10		
630	0631492	SWITCH SELCTR:HANDLE;3;600 VAC;20 A;9NO	No	7		
631	0631493	SWITCH SELCTR:HANDLE;2;600 VAC;20 A;4PDT	No	14		
632	0631494	SWITCH SELCTR:HANDLE;4;690 VAC;32 A;8NO	No	14		
633	0631495	SHUNT:DC MEASURING RESISTOR;COPPER	No	8		
634	0631496	SHUNT:DC MEASURING RESISTOR;COPPER	No	7		
635	0631497	SHUNT:DC MEASURING RESISTOR;COPPER	No	6		
636	0631498	SHUNT:DC MEASURING RESISTOR;COPPER	No	5		
637	0631499	SHUNT:DC MEASURING RESISTOR;COPPER	No	12		
638	0635252	MODULE PWR SUP:SWITCH MODE UNIT	No	18		
639	0636755	MODULE:INTELLIGENT OPERATOR PANEL	No	6		
640	0637055	COVER:FUSE CONTACT;WD 30 X LG 51.5 MM	No	6		
641	0637056	COVER:FUSE CONTACT;WD 30 X LG 47.5 MM	No	5		
642	0637057	COVER:FUSE CONTACT;WD 46 X LG 61.5 MM	No	12		
643	0637058	COVER:FUSE CONTACT;WD 46 X LG 74 MM;NH2	No	18		
644	0637059	COVER:FUSE CONTACT;WD 46 X LG 81.5 MM	No	6		
645	0637060	HANDLE DOOR:INTERLOCK, LV SWITCHGEAR	No	5		
646	0637061	HANDLE DOOR:INTERLOCK, LV SWITCHGEAR	No	12		
647	0637062	HANDLE DOOR:LG 250 MM;PLASTIC MOLDED	No	18		
648	0637063	HANDLE DOOR:LG 150 MM;PLASTIC MOLDED	No	6		
649	0637084	VT:VOLTAGE CONTROL;3;690 VAC;110 VAC;50	No	6		
650	0637179	CT:400 VAC;60 A;10 A;IRON;1 MM;2.5 VA;1	No	5		
651	0637180	CT:720 VAC;6000 A;10 A;IRON;1.8 MM;15 VA	No	12		
652	0637181	CT:660 VAC;6000 A;10 A;IRON;1.8 MM;15 VA	No	18		

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653	0637182	CT:660 VAC;3200 A;10 A;IRON;1.8 MM;15 VA	No	6		
654	0637183	CT:720 VAC;3200 A;10 A;IRON;1.8 MM;15 VA	No	6		
655	0637184	CT:660 VAC;2.5 KA;10 A;IRON;1.8 MM;15 VA	No	6		
656	0637185	CT:720 VAC;2.5 KA;10 A;IRON;1.8 MM;15 VA	No	5		
657	0637186	CT:660 VAC;1.25 KA;10 A;IRON;1.8 MM;15;1	No	12		
658	0637187	CT:660 VAC;1.6 KA;10 A;IRON;1.8 MM;15 VA	No	18		
659	0637188	CT:720 VAC;1.6 KA;10 A;IRON;1.8 MM;15 VA	No	6		
660	0637189	CT:720 VAC;2000 A;10 A;IRON;1.8 MM;15 VA	No	6		
661	0637190	CT:660 VAC;2000 A;10 A;IRON;1.8 MM;15 VA	No	5		
662	0637191	CT:400 VAC;150 A;10 A;IRON;1 MM;5 VA;1;3	No	12		
663	0637192	CT:660 VAC;630 A;10 A;IRON;1.8 MM;15 VA	No	18		
664	0637193	CT:720 VAC;1.25 KA;10 A;IRON;1.8 MM;15;1	No	6		
665	0637195	CT:660 VAC;800 A;1 A;IRON;1.8 MM;15 VA;1	No	6		
666	0637196	CT:720 VAC;800 A;1 A;IRON;1.8 MM;15 VA;1	No	5		
667	0637197	CT:660 VAC;30 A;10 A;IRON;1.8 MM;2.5 VA	No	12		
668	0638668	RELAY OVRLD:1.8-2.5 A;THERMAL;1NO 1NC	No	18		
669	639474	BKR CCT LV:DIN RAIL 35 MM;MCB;3;2 A;4;3	No	6		
670	0640286	SWITCH:AUXILIARY ATTACHABLE;230 VDC;6 A	No	5		
671	0640679	CT:400 VAC;30 A;10 A;IRON;1.8 MM;2.5 VA	No	12		
672	0640680	SHAFT ASSY:ROTARY;LV SWITCHGEAR	No	18		
673	0640681	SHAFT ASSY:ROTATING ELEMENT	No	6		
674	0641104	SWITCH SELCTR:LEVER;2;690 VAC;32 A;3NO	No	6		
675	0641105	SWITCH:MICRO;125 VAC;10 A;1NO;SPDT	No	5		
676	0641106	CONTACTOR:MAGNETIC RELAY;690 VAC;230 VAC	No	12		
677	0641107	CONTACTOR:MAGNETIC RELAY;690 VAC;230 VAC	No	18		
678	0641109	MODULE PWR SUP:STABILIZED UNIT	No	6		
679	0641113	RELAY OVRLD:2.4-4 A;THERMAL;3NO;MANUAL	No	6		
680	642026	BKR CCT LV:DIN RAIL;MOTOR;3;3.5-5 A;6 KV	No	5		
681	642027	BKR CCT LV:DIN RAIL;MOTOR;3;18-25 A;6 KV	No	12		

682	642028	BKR CCT LV:DIN RAIL;MOTOR;3;70-90 A;6 KV	No	18		
683	642029	BKR CCT LV:DIN RAIL;MCB;3;20 A;6 KV;690	No	6		
684	642030	BKR CCT LV:DIN RAIL;MCB;3;25 A;6 KV;690	No	6		
685	642031	BKR CCT LV:DIN RAIL;MCB;3;50 A;6 KV;690	No	5		
686	642032	BKR CCT LV:DIN RAIL;MCB;3;40 A;6 KV;690	No	12		
687	642033	BKR CCT LV:DIN RAIL;MCB;3;75 A;6 KV;690	No	18		
688	642034	BKR CCT LV:DIN RAIL;MCB;3;63 A;6 KV;690	No	6		
689	642035	BKR CCT LV:DIN RAIL;MOTOR;3;28-40 A;6 KV	No	14		
690	642036	BKR CCT LV:DIN RAIL;MOTOR;3;36-50 A;6 KV	No	8		
691	642037	BKR CCT LV:DIN RAIL;MOTOR;3;36-51 A;6 KV	No	7		
692	642038	BKR CCT LV:DIN RAIL;MOTOR;3;45-63 A;6 KV	No	6		
693	642039	BKR CCT LV:DIN RAIL;MOTOR;3;57-75 A;6 KV	No	5		
694	642040	BKR CCT LV:DIN RAIL;MOTOR;3;70-90 A;6 KV	No	12		
695	642041	BKR CCT LV:DIN RAIL;MCB;3;5 A;6 KV;690;2	No	18		
696	642042	BKR CCT LV:DIN RAIL;MCB;3;0.8 A;6 KV;690	No	6		
697	642043	BKR CCT LV:DIN RAIL;MCB;3;0.4 A;6 KV;690	No	6		
698	642044	BKR CCT LV:DIN RAIL;MCB;3;12.5 A;6 KV;2	No	5		
699	642045	BKR CCT LV:DIN RAIL;MCB;3;10 A;6 KV;690	No	12		
700	642046	BKR CCT LV:DIN RAIL;MCB;3;8 A;6 KV;690;2	No	18		
701	642047	BKR CCT LV:DIN RAIL;MCB;3;6.3 A;6 KV;690	No	6		
702	642048	BKR CCT LV:DIN RAIL;MCB;3;3.2 A;6 KV;690	No	8		
703	642049	BKR CCT LV:DIN RAIL;MCB;3;2.5 A;6 KV;690	No	7		
704	642050	BKR CCT LV:DIN RAIL;MCB;3;1.6 A;6 KV;690	No	6		
705	642051	BKR CCT LV:DIN RAIL;MCB;3;1.25 A;6 KV;16	No	5		
706	0642622	RELAY OVRLD:0.18-0.25 A;THERMAL;1NO 1NC	No	12		
707	0643147	MODULE DISTRN:6EP1961-2BA00;DIAGNOSIS;40	No	18		
708	643314	BKR CCT LV:MCCB;80 A;690 VAC;400-800 A	No	6		
709	643315	BKR CCT LV:MCCB;100 A;80 VAC;500-1000 A	No	6		
710	643316	BKR CCT LV:MCCB;100 A;1500 A;100 KA	No	5		

711	643317	BKR CCT LV:MCCB;125 A;625-1250 A;100 KA	No	12		
712	643319	BKR CCT LV:MCCB;160 A;125 A;100 KA	No	18		
713	643320	BKR CCT LV:MCCB;160 A;1250-2500 A;100 KA	No	6		
714	643321	BKR CCT LV:MCCB;200 A;1000-2000 A;100 KA	No	5		
715	643348	BKR CCT LV:MCCB;250 A;200 A;100 KA	No	12		
716	0643349	BKR CCT LV:MCCB;250 A;1750-3500 A;100 KA	No	18		
717	0643350	BKR CCT LV:MCCB;250 A;2000-4000 A;100 KA	No	6		
718	0643353	BKR CCT LV:FIXED;MCCB;3;500 A;8 KV;800 V	No	6		
719	0643354	BKR CCT LV:FIXED;MCCB;3;630 A;8 KV;800 V	No	5		
720	0643355	BKR CCT LV:MCB;2;4 A;10 KA;LV SWITCHGEAR	No	12		
721	0643356	BKR CCT LV:MCB;2;6 A;10 KA;LV SWITCHGEAR	No	18		
722	0643358	BKR CCT LV:MCB;1;4 A;15 KA;LV SWITCHGEAR	No	6		
723	0643360	BKR CCT LV:MCB;1;10 A;15 KA	No	25		
724	0643361	BKR CCT LV:MCB;1;16 A;15 KA	No	9		
725	0643362	BKR CCT LV:MCB;1;20 A;15 KA	No	7		
726	0643363	BKR CCT LV:MCB;1;25 A;15 KA	No	6		
727	0643364	BKR CCT LV:MCB;1;32 A;15 KA	No	5		
728	0643365	BKR CCT LV:MCB;1;40 A;15 KA	No	11		
729	0643366	BKR CCT LV:MCB;1;63 A;15 KA	No	8		
730	643368	BKR CCT LV:MCB;3;4 A;15 KA;LV SWITCHGEAR	No	7		
731	0643371	BKR CCT LV:MCB;3;20 A;15 KA	No	6		
732	0643372	BKR CCT LV:MCB;3;25 A;15 KA	No	5		
733	0643374	BKR CCT LV:ACB;LV SWITCHGEAR	No	12		
734	0643375	BKR CCT LV:ACB;LV SWITCHGEAR	No	18		
735	0643376	BKR CCT LV:ACB;LV SWITCHGEAR	No	6		
736	0643377	BKR CCT LV:ACB;LV SWITCHGEAR	No	7		
737	0643378	BKR CCT LV:ACB;LV SWITCHGEAR	No	9		
738	0643379	BKR CCT LV:ACB;LV SWITCHGEAR	No	7		
739	0643380	BKR CCT LV:ACB;LV SWITCHGEAR	No	6		

740	0643381	BKR CCT LV:ACB;LV SWITCHGEAR	No	5		
741	0643477	RELAY SLD STATE:MOTOR THERMAL PROT;230	No	11		
742	0643890	BKR:10 A;2;S202;CURVE C	No	8		
743	0644171	BKR CCT LV	No	7		
744	0644578	CONTACTOR:POWER CONTACTOR 22 KW;690 VAC	No	6		
745	0644580	FAN ELEC:DIAGONAL/SELF-STARTING;230 VAC	No	5		
746	0644581	CT:660 VAC;300 A;31.5 KA;IRON;10 MM;5 VA	No	12		
747	644582	BASE RLY:PLUG;WD 27 MM;HT 42.5 MM;250;10	No	18		
748	0644583	RELAY CTRL:10 A;3NO 3NC;230 VAC;SPDT;PIN	No	6		
749	0644584	RELAY CTRL:2 A;1NO;24 VAC;SPST;SCREW	No	6		
750	0644585	RELAY CTRL:2-20 A;1NO;400 VAC;SPST;SCREW	No	5		
751	0644586	CONTACTOR:11 KW POWER CONTACTOR;690 VAC	No	12		
752	0644587	HANDLE DOOR:INTERLINK;SQ 85 MM	No	18		
753	0644588	CONTACTOR:POWER CONTACTOR 5.5 KW;690 VAC	No	6		
754	0644589	STARTER ELEC MOTOR:41 A;NEMA 1;SOFT;24;3	No	7		
755	644590	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 415 VAC; CONNECTION TYPE: NEOZED; DIMENSIONS: DIA 11 X LG 40 MM; INTERRUPT CAPACITY: 50 KA; TYPE: DO1 BOTTLE; CASE MATERIAL: CERAMIC; SPECIFICATION: IEC 60947-2; CLASS GG	No	6		
756	644591	FUSE CARTD:16 A;400 VAC;NEOZED;50 KA;CER	No	20		
757	644592	FUSE CARTD:20 A;400 VAC;NEOZED;50 KA;CER	No	7		
758	644593	FUSE CARTD:25 A;400 VAC;NEOZED;50 KA;CER	No	6		
759	0644594	BKR CCT LV:DIN RAIL 35 MM;MOTOR;3;40-50	No	5		
760	0644595	BKR CCT LV:DIN RAIL 35 MM;CURVE A;4;25 A	No	11		
761	0644596	BKR CCT LV:DIN RAIL 35 MM;MCCB;3;200-250	No	8		
762	0644597	BKR CCT LV:DIN RAIL 35 MM;CURVE A;4;25 A	No	7		
763	0644598	BKR CCT LV:DIN RAIL 35 MM;CURVE A;2;25 A	No	6		
764	644948	FUSE CARTD:63 A;400 VAC;NEOZED;50 KA;CER	No	5		
765	0646370	SUPPRESSOR	No	12		
766	0646651	DEVICE:POWER MANAGEMENT	No	7		

767	0646835	RELAY CTRL	No	6		
768	646836	FUSE CARTDCV, 1Phase, 2 W, 132V/230V AC	No	7		
769	653050	FUSE CARTD:20 A;690 VAC;PUSH IN;CER	No	6		
770	0654077	UNIT CTRL:DC ALARM ANNUNCIATOR;80-340	No	19		
771	0659238	CONVERTER SGNL:ISOLATING;I/P 4-20 MA	No	19		
772	0659252	BKR CCT LV:DIN RAIL;MCB;2;25A; 300MA;600	No	19		
773	0659258	RELAY CTRL:230 VAC 4 A;2NO 2NC;230 VAC	No	19		
774	0659259	RELAY CTRL:230VAC 2A;2NO 2NC;690 VAC	No	19		
775	659260	FUSE CARTD:160 A;690 VAC;BLADE KNIFE;120	No	19		
776	0661868	POWER SUPPLY:I/P 230VAC 1.15A;5-6 A	No	19		
777	663518	CABLE ELECT:1000 V;1;CU STRANDED;16 MM2	No	100		
778	663519	CABLE ELECT:1000 V;1;CU STRANDED;25 MM2	No	100		
779	0664657	CONVERTER SGNL:CURRENT;I/P 0-10 MA DC	No	18		
780	0665227	BKR:CLIP ON;250 V;6 A;6 A;2;250 V;10 MM	No	10		
781	0666498	BKR CCT LV:DIN RAIL;MINIATURE;1;16 A;440	No	26		
782	0666501	BKR CCT LV:SCREW;TRF;3;14-20 A;690 V;690	No	26		
783	0666502	RELAY:SAFETY;24 VDC;3NO 2NC;6 A;5P;SCREW	No	26		
784	0666503	SOCKET:CONTROL CABINET;PA	No	26		
785	0666504	CONTACTOR:POWER;400 VAC;23-26 V;160 A;3	No	26		
786	0666509	PUSH BUTTON:BLACK ACTUATOR	No	26		
787	0666510	BKR CCT LV:DIN RAIL;RES CURRENT OP;2;25	No	7		
788	0666511	INDICATOR LGHT:M22-L-R;LED ELEMENT;12-30	No	6		
789	0666533	PUSH BUTTON:WHITE FLUSH ACTUATOR	No	5		
790	0666535	INDICATOR LGHT:FLUSH;DIA 29.7 X DP 30.5	No	11		
791	0666668	BKR CCT LV:SCREW AND SNAP ON;3;0.4 A;690	No	8		
792	0666674	INDICATOR LGHT:LED;DIA 22 MM;12-30 V	No	7		
793	0667519	BKR CCT LV:DIN RAIL;MINIATURE;400 VAC;1	No	6		
794	667588	BLOCK CONTCT:AUXILIARY;690 VAC;2;2NO 2NC	No	5		
795	0668447	RELAY OVRD:30-50A IN 4SEC +/-20PCT	No	12		



796	0669274	BKR CCT LV:FIXED;PROTECTION;3;160 A;690	No	7		
797	0669670	TRFR INSTR:TAPPED;8.7 A;525/115-230 VAC	No	6		
798	0671837	BKR CCT LV:RAIL;PUSHBUTTON;500 V;3;1600	No	7		
799	0675336	BKR:CLIP ON;220 VAC;20 A;6 KA;2;240 V;22	No	6		
800	0675341	BKR:SUPERSEDED BY 0663284;CLIP ON;220;6	No	12		
801	0675810	RELAY CTRL:110V 10A;1NO;500 VAC;SPST	No	12		
802	0677947	CONTACT AUX:BLOCK;1NC 1NO;6 A;220 V;IP65	No	12		
803	0681930	MODULE:CONTROL;O/P 4-20 MA;110-240 V AC	No	12		
804	0681931	MODULE:CONTROLLING;O/P 4-20 MA;SQ 96 MM	No	7		
805	0681933	MODULE:DIGITAL SAFETY;24 V;EN 60730	No	6		
806	681934	BKR CCT LV:FIXED;AIR;3;1000 A;690 V;690	No	5		
807	0681935	BKR CCT LV:FIXED;AIR;3;690 A;690 V;800 V	No	11		
808	0683061	BKR CCT LV:DIN RAIL;MOLDED CASE;3;1000 A	No	8		
809	0686769	BKR CCT LV:FIXED;MCCB;3;160 A;690 V;80;2	No	7		
810	0687284	CONTACTOR:THREE POLE;400/690 V;220-230 V	No	6		
811	0693259	CONTACTOR:A-LINE;230 VAC;230 VAC;20 A;2	No	5		
812	0694198	FAN ELEC:AXIAL;SQ 323 X HT 157 MM;230;B	No	12		
813	0694201	BKR CCT LV:FIXED;AIR;3;1600 A;690 V;690	No	7		
814	0695021	CT:0.72/3 KV;150 A;25 KA;2P TPY;90 MM;AN	No	6		
815	0695052	SWITCH DSCNNCT:NH FUSED;690 VAC;160 A	No	7		
816	0696235	RELAY CTRL:8 A;2NO 2NC;230 VAC;IP;BASE	No	6		
817	0698769	BKR CCT LV:REAR FLAT HORIZONTAL;3;50 A;5	No	7		
818	0704604	RELAY CTRL:8 A;1NO 1NC;24 VDC;DPDT;PLUG	No	6		
819	0706969	BKR CCT LV:FIXED;MCCB;110VDC/AC;3;1250 A	No	5		
820	0708019	TRFR:CONTROL;2.49/0.95 A;380/400/415/460	No	11		
821	0708233	CONTACTOR:CONTROL;600 V;220-230 V;65 A;3	No	8		
822	709021	COIL ELECT:UNDervOLTAGE RELEASE;220-250	No	7		
823	0709498	BKR CCT LV:WITHDRAWABLE;AIR;220 V;3;800	No	6		
824	0709504	RELAY SLD STATE:MOTOR PROTECTION;240 VAC	No	5		

825	0709505	RELAY CTRL:5 A;2NO 2NC;24 VDC;DPDT;8 PIN	No	12		
826	0709506	SWITCH SELCTR:MANUAL;2;230 VAC;6 A;NO	No	7		
827	0713133	TRANSMITTER TEMP:0-200 DEG C;O/P 4-20 MA	No	6		
828	0714348	CONTACTOR:ELECTROMAGNETIC;415 VAC;220;10	No	7		
829	0714349	MODULE:CHANGER OVER;I/P 230 VAC;110 V DC	No	6		
830	0714351	CONTACTOR:ELECTROMAGNETIC;415 VAC;230;10	No	5		
831	0714352	BKR CCT LV:FIXED;MCCB;3P;20 A;690 V;800	No	12		
832	0714353	BKR CCT LV:WITHDRAWABLE;MOTOR PROTECTION	No	6		
833	0714354	CONTACTOR:ELECTROMAGNETIC;415 VAC;230;40	No	7		
834	0714388	CT:800 V;40 A;25 KA;SINGLE;200 MM;0.05;3	No	6		
835	0714390	RELAY T-DELAY:0.05 S - 600 S;2 CO;DPDT	No	7		
836	0714548	BKR:MCCB;690 VAC;80 A;50 KA;3;8 KV;120;3	No	6		
837	0715383	RELAY SLD STATE:EARH LEAKAGE;110-230 VAC	No	5		
838	0715406	BKR CCT LV:FIXED;MCCB;3P;40 A;690 V;690	No	11		
839	0720124	RELAY OVRLD:RT12K;2.5-6 A;THERMAL CL20;4	No	8		
840	0720125	RELAY OVRLD:RT22G;40-55 A;THERMAL CL20	No	7		
841	0720126	RELAY OVRLD:RT2E;30-43 A;THERMAL CL10;43	No	6		
842	0720127	VT:DRY;SINGLE;230 V;24 V;50 VA;CLASS B;2	No	5		
843	0720128	VT:DRY;SINGLE;230 V;24 V;100 VA;CLASS B	No	12		
844	0720337	BKR CCT LV:431473;FIXED AND W/D;MCCB;N/A	No	7		
845	0720429	MODULE:438680;TRIP UNIT;I/P 3 P;AC;80X70	No	6		
846	0720430	VT:CONTROL;SINGLE;400 V;230 V;10 VA;30	No	7		
847	0720434	SWITCH DSCNNCT:ATYSGM63A;690 V;63 A;63 A	No	6		
848	0720435	RELAY OVRLD:1SAM250000R1011;10-16 A;10 A	No	5		
849	0720437	RELAY CTRL:PRCT2AN;8 A;2 CO;24 V;SINGLE	No	11		
850	0720439	RELAY OVRLD:1SAM250000R1003;0.25 - 0.4 A	No	8		
851	0720441	RELAY CTRL:PRC04M40ANL;8 A;2 CO;230 V	No	7		
852	0720456	RELAY CTRL:PRCT2AD;8 A;2 CO;230 V;SINGLE	No	6		
853	0720484	BKR CCT LV:GPS1BHAE;DIN RAIL;None;3;400	No	5		

854	0720485	RELAY OVRLD:RT12F;0.65-1.1 A;1N/O 1 N/C	No	12		
855	0720486	BKR CCT LV:GPS1BHAR;DIN RAIL;MOTOR;3;400	No	7		
856	0720487	BKR CCT LV:GPS1BHAN;DIN RAIL;MOTOR;3;400	No	6		
857	0720502	MODULE PWR SUP:1SVR 427 014 R0000;O/P 5	No	7		
858	0720506	RELAY OVRLD:RT12N;8-12 A;THERMAL CL20;12	No	6		
859	0720511	BKR CCT LV:GPS1BHAG;DIN RAIL;MOTOR;3;400	No	5		
860	0720512	BKR CCT LV:GPS1BHAF;DIN;3 POLE;1-1.16 A	No	11		
861	0720513	BKR CCT LV:438432;FIXED AND W/D;MCCB;3;3	No	8		
862	0720515	BKR CCT LV:431712;FIXED AND W/W;MCCB;3;3	No	7		
863	720516	BRACKET:432544;DRAW-OUT;ALLOY;200X220 MM	No	6		
864	720517	BRACKET:4325338;DRAW-OUT;METALIC ALLOY	No	5		
865	0720518	VT:DRY;SINGLE;230 V;24 V;1000 VA;CLASS B	No	12		
866	720519	VT:DRY;SINGLE;230 V;24 V;150 VA;CLASSB	No	6		
867	720521	BKR CCT LV:DIN RAIL;MOTOR;3;6.3-10 A;400	No	7		
868	722560	MODULE:UMC100-FBP;CONTROL AND PROTECTION	No	6		
869	722656	BKR CCT LV:054557;FIXED;MCCB;3;250 A;690	No	7		
870	722658	BRACKET:432556;DRAW-OUT;ALLOY;IEC 3PFG	No	6		
871	722659	BRACKET:432550;DRAW-OUT;ALLOY;IEC 3P	No	5		
872	0722660	MODULE:438664;TRIP UNIT;I/P 3 P W;AC	No	11		
873	0722661	MODULE:433195;TRIP UNIT;I/P 3 P W;AC	No	8		
874	722662	MODULE:432570;TRIP UNIT;I/P 3 P W;AC;160	No	7		
875	0722663	MODULE:438684;TRIP UNIT;I/P 4 P W;AC;630	No	6		
876	0725166	STARTER ELEC MOTOR:400 VAC 81 A;45 KW;3	No	5		
877	0725431	SWITCH DSCNNCT:MCCB;690 V;200 A;3PST;MCC	No	12		
878	0725438	BKR CCT LV:PLUG IN;MCB;1;0.5 A;690 V;690	No	6		
879	0725439	BKR CCT LV:TS160 4 POLE;SCREW MOUNT;MCCB	No	7		
880	0725440	SWITCH DSCNNCT:MCCB;400 V;630 A;3PST	No	6		
881	0725441	BKR CCT LV:DIN RAIL;MCB;3;6 A;6 KV;690 V	No	7		
882	0725442	CT:720 V;1600 A;1 A;2 RING;1.8 MM;10 VA	No	6		

883	0725443	RELAY OVRLD:3-6 A;THERMAL;1NC 1NO;MANUAL	No	5		
884	0725444	THERMISTOR:WIRE AC3;170 DEG C	No	11		
885	0725445	RELAY SLD STATE:VIP 35 RELAY PROTECTION	No	8		
886	0666247	BKR CCT LV:DIN RAIL 35 MM;CARVE C;2;10 A	No	7		
887	0630874	MODULE:TEMPERATURE CONTROL RELAY	No	6		
888	0630879	RELAY:RESISTOR;24 VDC;1NO 1NC;DPST;SCREW	No	5		
889		5000/1A, 15VA, 5P20	No	12		
890	0644843	INTELLISYS NEW TECHNOLOGY CONTROLLER	No	3		
891	0580247	DISPLAY FOR IS-NT CONTROLLER	No	3		
892	0580248	INTELLIGEN I/O EXPANSION MODULE	No	6		
893	0580249	INTELLISYS ANALOGUE EXPANSION MODULE	No	6		
894	0580250	AVR INTERFACE MODULE	No	6		
895	0580251	IG AVRI TRANSFORMER	No	6		
896	0580254	VOLTAGE TRANSFORMER	No	4		
897	0644881	DIFFERENTIAL CURRENT TRANSFORMERS	No	6		
898	0580252	MAIN INCOMING ISOLATOR SWITCH 80A 4 POLE	No	4		
899	0580253	230V AC CONTACTORS	No	6		
900	0580255	THERMAL OVERLOAD RELAY 1A	No	6		
901	0580256	THERMAL OVERLOAD RELAY 4A	No	6		
902	0580257	RELAY – 24V DC 10A 3P C/O RELAY	No	6		
903	0580258	RELAY – 24V DC 6A 1P C/O ULTRA SLIM RELAY	No	6		
904	0626215	RELAY – 24V DC 8A C/O RELAY	No	6		
905	0580259	DC/DC CONVERTER 24V 75W	No	4		
906	0580260	SIGNAL CONVERTER - CC-E I/I	No	6		
907	0580261	CIRCUIT BREAKER 100A 3P TYPE C 50KA	No	6		
908	0580262	CIRCUIT BREAKER 2A 1P TYPE K 6KA	No	6		
909	0580263	CIRCUIT BREAKER 6A 1P TYPE K 6KA	No	7		
910	0580264	CIRCUIT BREAKER 10A 1P TYPE K 6KA	No	6		
911	0580265	CIRCUIT BREAKER 16A 1P TYPE K 6KA	No	7		

912	0580266	Circuit Breaker 20A 1P Type K 6kA	No	6		
913	0580267	Circuit Breaker 32A 1P Type K 6kA	No	5		
914	0580268	Circuit Breaker 2A 3P Type K 6kA	No	11		
915	0580269	Circuit Breaker 6A 3P Type K 6kA	No	8		
916	0580270	Circuit Breaker 16A 3P Type K 6kA	No	7		
917	0626247	RELAY 240V AC 11PIN	No	6		
918	0580271	POTENTIOMETER 1K $\Omega$ 10T 3W	No	5		
919	0580272	CURRENT TRANSDUCER – MCR-S 3 WAY	No	12		
920	0644845	DIODE ISOLATING 70A: 70HF40	No	6		
921	0644882	ENCLOSURE FAN	No	7		
922	0644793	ENCLOSURE FILTER	No	6		
923	0580274	LED 24VDC RED	No	7		
924	0580275	LED 24VDC WHITE	No	6		
925	0580276	SWITCH ON-OFF 2P	No	5		
926	0580277	SWITCH ON-OFF 2P KEY SWITCH	No	11		
927	0644846	EMERGENCY STOP PUSHBUTTON	No	8		
928	0654179	RESISTOR ELEMENT	No	7		
929	0654183	CONDENSATE HEATER	No	6		
930	0644880	VACUUM BREAKER #	No	5		
931	0644844	TAVRIDA BREAKER CONTROLLER	No	12		
932	0654186	CURRENT TRANSFORMER	No	6		
933	0623340	AC SUPPLY CIRCUIT BREAKER	No	7		
934	0643550	FUSE - LOAD FUSE (100A) 22 X 58 + STRIKER PIN 422200 (FERRAZ)	No	6		
935	0643557	FUSE - CHARGER FUSE (160A) DIN NH/00 381075	No	7		
936	0643551	FUSE - DROPPING DIODE (6A) 500V 120KA [10 X 38MM]	No	6		
937	0643562	FANS - THYRISTOR STACK	No	5		
938	0643561	FANS - DROPPING DIODES	No	11		
939	0643558	FAN - CUBICLE FK7726.230V AC 1610CUM/HR	No	8		
940	0580242	DC SURGE PROTECTION - BR5	No	7		

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CONTRACT TITLE

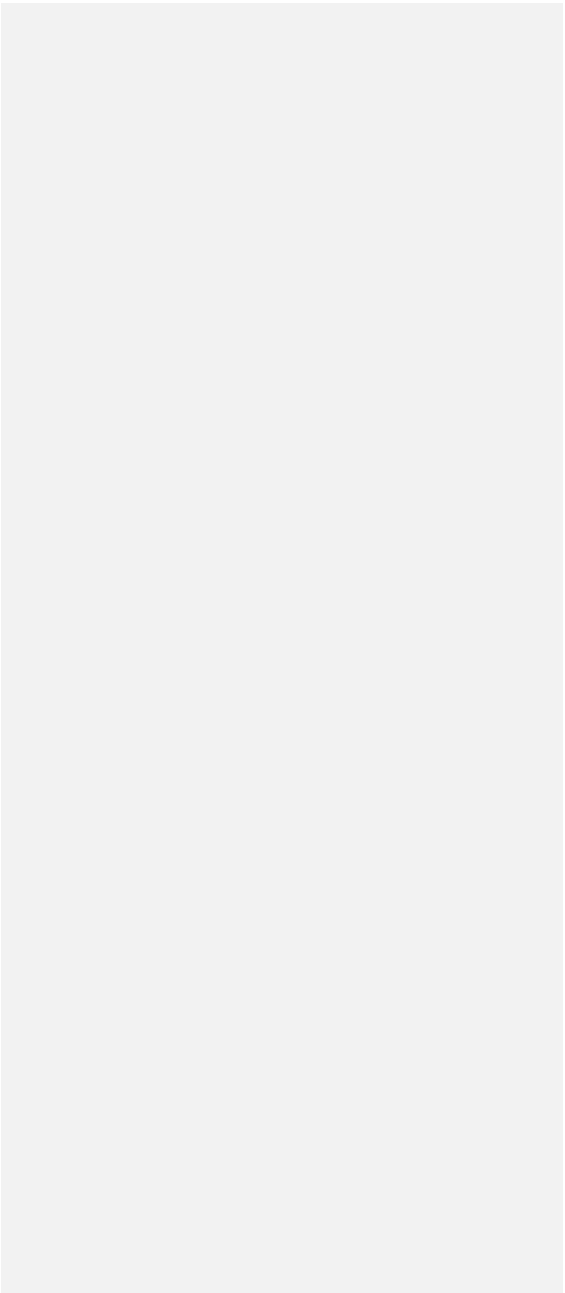
CONTRACT NUMBER \_\_\_\_\_

941	0251984	BRIDGE RECTIFIER- KBPC25-10	No	6		
942	0641872	CONTACTOR RELAY COIL SW085 -24C VDC 100A	No	5		
943	0608174	CARD STATIC - DROPPING DIODE CONTROL (3 STAGE)	No	12		
944	0248218	CARD STATIC - BATTERY FAIL	No	6		
945	0608178	CARD STATIC - 24V SUPPLY	No	7		
946	0608175	CARD STATIC - AUTO BOOST FAIL	No	6		
947	0608172	CARD STATIC - LOAD LOW VOLTS URGENT	No	7		
948	0643552	CARD - RS232/485 [CONVERTER - BI DIRECTIONAL]	No	6		
949	0643560	SCR + DROPPING DIODE - STACK-08881152 (B6C)2 400/(2 X 70A)/F45	No	5		
950	0643559	THERMOSTAT -FAN CONTROLLER	No	11		
951	0644885	DAY TANK LEVEL SWITCH COLUMN	No	8		
952	0644888	DAY TANK LEVEL TRANSMITTER	No	7		
953	0644883	DAY TANK DRIP TRAY LEVEL SWITCH	No	6		
954	0580237	DIODE SET WITH SURGE SUPPRESSORS - THE ROTATING RECTIFIER ASSEMBLY IS MOUNTED ON THE GENERATOR SHAFT INBOARD OF THE NON DRIVE END BEARING.	No	5		
955	0580240	MA330 AUTOMATIC VOLTAGE REGULATOR (AVR) - THREE PHASE FULL WAVE, PULSE WIDTH MODULATED TYPE AUTOMATIC VOLTAGE REGULATOR THAT FORMS PART OF THE EXCITATION SYSTEM OF THE BRUSHLESS GENERATOR.	No	12		
956	0644795	FILTER ELEMENT OIL S4000	No	6		
957	0644794	PRE-FUEL FILTER ELEMENT	No	6		
958	0580243	STARTER MOTOR	No	6		
959	0644867	CHARGER BELT	No	6		
960	0708224	THE FIRE SAFETY ACTUATOR FS65	No	3		
		<b>Final Summary Total (Excl VAT)</b>				

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

The total of the Prices



# Part 3: Scope of Work

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C3.1	Purchaser's Goods Information	
C3.2	Supplier's Goods Information	
	Total number of pages	



## C3.1: *Purchaser's* Goods Information

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## 1. Overview and purpose of the *goods* and *services*

Supply and Delivery of Electrical General Consumable Spares at Kusile Power Station on “As and when required” basis for the period of five (5) years.

## 2. Specification and description of the *goods*

The scope of work consists of the supply and delivery of Electrical General Consumable Spares at Kusile Power Station as per the attached detailed item list.

The Spares will be required on an “as and when required” basis (as per the attached list)

The scope is based on a pre-approved stock description per item. Quantities can increase or decrease due to usage but does not entail a change of the original scope.

Product will be quality checked on receipt. If not according to specifications, the item will be rejected and returned to the supplier and the Material Discrepancy Advise Form will be sent to the Supplier.

The Supplier will be subjected to periodic audits by the Purchaser to ensure Compliance with the system. Any deviations will be corrected to the Purchaser’s satisfaction.

### 2.1 Purchaser’s design

The material description and long text are in the Appendix A

### 2.2 Procedure for submission and acceptance of *Supplier’s* design

In case of spares being obsolete, the supplier must send the new datasheet with the specifications to the supply manager for review and approval before delivery of spare on site.

### 2.3 Other requirements of the *Supplier’s* design

N/A

### 2.4 Use of *Supplier’s* design

N/A

### 2.5 Manufacture & fabrication

N/A

### 2.6 Factory acceptance testing (FAT)

N/A

### 2.7 Other tests and inspections and commissioning in place of use

N/A

## 2.8 Operating manuals and maintenance schedules

- Material (TEST) certificates as well as complete data packs will be submitted with all the Electrical Spare Consumables delivered to site.

## 3 Supply Requirements

The Supply Requirements for this contract are in an Annexure to the Contract Data provided by the *Purchaser*.

## 4 Specification of the *services* to be provided

.

Refer to the Kusile Power Station Electrical General Consumable Spares Supply and Delivery Scope of Work and all the documents to which it makes reference to

## 5 Constraints on how the *Supplier* Provides the Goods

### 5.1 Programming constraints

No programming required

### 5.2 Work to be done by the Delivery Date

The supplier will provide the following documentation when delivering the goods

-The Supplier must provide a full technical description of all the goods supplied under this contact.

- Delivery packaging shall include as a minimum the following details

- \* Purchase order Number
- \* Part description and part Number
- \* Eskom SAP Material Number
- \* Drawing Number, where applicable
- \* Physical address of Kusile Power Station and the Supplier
- \* Contact details of the Supplier
- \* Delivery note number

### 5.3 Marking the *goods*

If this contract requires the *goods* be paid for before they are brought within the Delivery Place, core clause 71.1 requires that the Goods Information state how the *Supplier* is to “mark” the *goods*

### 5.4 Constraints at the delivery place and place of use

The Supplier must contact the supply manager prior to making a delivery.

### 5.5 Cooperating with Others

The supplier Co – operates with others in obtaining and providing information which they need in connection with the goods and services.

### 5.6 Services & other things to be provided by the *Purchaser* or *Supplier*

Refer to the Kusile Power Station Electrical General Consumable Spares Supply and Delivery Scope of Work and all the documents to which it makes reference to.

### 5.7 Management meetings

5.8 The *conditions of contract* (e.g. Clause 16.2) require, and other sections of the Goods Information (e.g. safety risk management) may require (mandate) that a meeting shall be held. However, the intention of all NEC contracts is that the Parties and their agents use the techniques of partnering to manage the contract by holding meetings designed to pro-actively and jointly manage the administration of the contract with the objective of minimising the adverse effects of risks and surprises for both Parties.

5.9 Depending on the complexity of the *goods*, it is probably beneficial for the *Supply Manager* to hold a regular risk register meeting (Clause 16.2). This could be used to discuss safety, compensation events, subcontracting, overall co-ordination and other matters of a general nature. Separate meetings for specialist activities such as programming, engineering and design management, may also be warranted.

5.10 Describe here the general meetings and their purpose. Provide particulars of approximate times, days, location, and attendance requirements, stipulating that attendees shall have the necessary delegated authority to make decisions in respect of matters raised at such meetings.

5.11 The right to hold specialist meetings should be stated generically and in such a way that ambiguity with other parts of the Goods Information is avoided.

5.12 The following text could be used as a model for this section:

#### 5.13

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Weekly on _____ at _____	Kusile Power Station/ MS Teams	Purchaser, Supplier and other Key Stakeholders
Overall contract progress and feedback	Monthly on _____ at _____	Kusile Power Station/ MS Teams	Purchaser, Supplier and other Key Stakeholders
Contract Kick - off	Once - off	Kusile Power Station/ MS Teams	Purchaser, Supplier and other Key Stakeholders

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

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

#### 5.14 Documentation control

The Supplier and the purchaser must all keep the records of documentation of this transaction

#### 5.15 Health and safety risk management

The *Supplier* shall comply with the health and safety requirements contained in the Kusile Power Station OHS Specification for the Supply and delivery of Electrical General Consumable Spares Document Identifier KUS-20240928 Rev 1.

## 5.16 Quality

It is important for all Eskom contractors to meet the minimum requirements of ISO 9001 Quality Management System to maintain high standards of products or services rendered to Eskom.

It is therefore important that the contractor demonstrate commitment to the development, implementation and maintenance of its Quality Management System that complies with the ISO 9001:2015 requirements.

This work falls under Category 4 of the Quality Requirements. The supplier is therefore required to submit the following documents and evidence:

### SECTION A: Quality Management System Requirements ISO 9001

A.1 QMS Manual or a document that defines and describes the QMS and its scope.

A.2 Quality Policy Approved by top management.

A.3 Quality Objectives Approved by top management.

### SECTION B: Evidence of QMS in operation

B.1 Documented information for defined roles, responsibilities and authorities.

B.2 Documented information for Control of Externally Provided Processes, Products and Services

### SECTION E:

E.1 Completed and Signed Form A

**Commented [TS1]:** We will review this part when QA provide the requirement specifically for this transaction before we submit, this was meant for VSD

## 5.17 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to \_ [invoiceseskomlocal@eskom.co.za](mailto:invoiceseskomlocal@eskom.co.za) and include on it the following information:

ESKOM HOLDINGS SOC Ltd  
CONTRACT TITLE

CONTRACT NUMBER \_\_\_\_\_

Name and address of the *Supplier* and the *Supply Manager*.

Eskom Holdings SOC Ltd

Finance Department (Account Payable Section)

Kusile Power Station

Hartebeesfontein Farm R545

Kendal/Balmoral Road WITBANK

- Name and address of the Supplier and the Supply Manager
- The contract number and title;
- Supplier's VAT registration number.
- The Purchaser's VAT registration number 4740101508.
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT.
- (add other as required)

Procedure for invoice submission and payment

- All Electronic invoices must be sent in PDF format only.
- An Invoice that was printed and then scanned to PDF by the Vendor is not acceptable as this is not an original tax invoice by SARS definition but a copy.
- The following wording needs to appear on the invoice: "Your invoice is encrypted in order to comply with SARS requirements that invoices, and statements sent electronically are tamperproof."
- All queries and follow up on invoice payments should be made by contacting the FSS Contact Centre: Tel: 011 800 5060 or email: fss@eskom.co.za

## 5.18 Insurance provided by the *Purchaser*

First read SC3 Core Clause 84.1 and then add anything necessary for the management of insurance related issues such as a cross reference to where procedures for making claims can be found. Also provide contact details for persons capable of being able to answer any insurance related queries the *Supplier* may have, as well as to whom the information required by any Marine Insurance may be addressed.

## 5.19 Contract change management



This section is intended to deal with any additional requirements to the compensation event clauses in section 6 of the core clauses, such as the use of standard forms. Not the same thing as documentation control.

## 5.20 Provision of bonds and guarantees (N/A)

## 5.21 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

The *supplier* must keep all the records of documentation as stated in this section and make them available as and when required by the *purchaser*.

# 6 Procurement

## 6.1 Subcontracting

### 6.1.1 Preferred subcontractors

TBC

### 6.1.2 Limitations on subcontracting

TBC

### 6.1.3 Spares and consumables

Spares list shall be a live document such that changes to the list will be submitted to the Supply manager for review and approval

### 6.1.4 Other requirements related to procurement

TBC

### 6.1.5 Cataloguing requirements by the *Supplier*

Section C2.2 list all the spares to be procured under this scope of work. If DCFs exists they will be provided to assist the *Supplier* with information for all spares to be procured. Each spare is identifiable by means of component/plant description, OEM and/or OEM Part number. Where the information available on the spares list in section C2,2 or that supplied by materials management as catalogued is not sufficient to positively identify the applicable spare, the *Supplier* shall notify the *Purchaser* such that the *Purchaser* can assist the *Supplier* in identifying the correct spare.

The spares to be provided to be the same as the original component, in all technical respects, as those utilised on the equipment it is intended for. This includes, but is not limited to, design (including dimensions and material specifications) and manufacturing (including manufacturing processes, standards, and acceptance testing).

7 List of drawings

Drawings issued by the *Purchaser*

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

Drawing number	Revision	Title

## C3.2 *Supplier's* Goods Information

This section of the Goods Information will always be contract specific depending on the nature of the *goods* and *services*.

It is most likely to be required for supply contracts where the tendering supplier will have proposed specifications and schedules for the *goods* and *services*, which once accepted by the *Purchaser* prior to award of contract now become obligations of the *Supplier* per core clause 20.1.

- As per Employers Specification/ SOW
- All relevant documentations to be handed in as requested from the end user/ Supply Manager

This section could also be compiled as a separate file.

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