



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 VARIOUS ELECTRICAL SPARES
ON AS AND WHEN BASIS FOR KRIEL POWER STATION FOR A
PERIOD OF 5 YEARS**

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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Offer

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

**SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL SPARES ON AS AND WHEN REQUIRED BASIS
 FOR KRIEL POWER STATION FOR A PERIOD OF 5 YEARS**

The tenderer, identified in the Offer signature block, has

<i>either</i>	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.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

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 ¹	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

¹ 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.

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

Signature(s)

Name(s)

Capacity

**for the
Purchaser**

**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg,
2199**

(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.

For the tenderer:**For the Purchaser**

Signature

Name

Capacity

On behalf
of*(Insert name and address of organisation)*
**Eskom Holdings SOC Ltd, Megawatt
Park, Maxwell Drive, Sandton,
Johannesburg, 2199**
Name &
signature
of witness

Date

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

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

1. Please read the relevant clauses in the conditions of contract before you enter data. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data.
2. Some SC3 options are always selected by Eskom Holdings SOC Ltd. The remaining SC3 options are identified by shading in the left hand column. In the event that the option is not required select and delete the whole row. Where the following symbol is used "[•]" - data is required to be inserted relevant to the specific option selected.]

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		X17: Low performance damages
		Z: <i>Additional conditions of contract</i>
	of the NEC3 Supply Contract (April 2013) ¹	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
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.	[•]
10.1	The <i>Supply Manager</i> is (name):	Samuel Mophuting
	Address	Eskom Holdings SOC Limited Kriel Power Station Generation Ogies/Bethal Road, Kriel
	Tel	+27 14 763 8446

¹ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902, www.ecs.co.za.

	Fax	Not Applicable	
	e-mail	MophutSP@Eskom.co.za	
11.2(13)	The <i>goods</i> are	Various Electrical Spares	
11.2(13)	The <i>services</i> are	SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL SPARES ON AS AND WHEN BASIS FOR KRIEL POWER STATION FOR A PERIOD OF 5 YEARS	
11.2(14)	The following matters will be included in the Risk Register	<ul style="list-style-type: none"> Any matter that has cost implication outside the agreed terms Any matter that may delay the Delivery Any SHEQ related issues Any matter deviates from the specification Any access issue due to force majeure such as protests, covid restrictions 	
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.	
11.2(15)	The Supply Requirements as part of the Goods Information is in	Scope of work (Part C3 1 of <i>goods</i> information)	
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa	
13.1	The <i>language of this contract</i> is	English	
13.3	The <i>period for reply</i> is	1 week	
2	The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> 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.	Contract signature date	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i>	<i>delivery date</i>
		1 [•]	[•]
		2 [•]	[•]
		3 [•]	[•]
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.	[no data required]	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	Not applicable	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	Not applicable	
4	Testing and defects		

42	The <i>defects date</i> is	Two weeks after Delivery.
43.2	The <i>defect correction period</i> is	2 days after Delivery
	except that the <i>defect correction period</i> for	Purchaser's fault, - there will be no need to correct the defect
	and the <i>defect correction period</i> for	Not applicable
42.2	The <i>defects access period</i> is	2 days after notification
	except that the <i>defect access period</i> for	Purchaser's fault, - there will be no need to correct the defect
	and the <i>defect access period</i> for	Not applicable
5	Payment	
50.1	The <i>assessment interval</i> is	Between the 30th day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	60 Days from invoice date
51.4	The <i>interest rate</i> is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.</p>
6	Compensation events	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.

8 Risks, liabilities, indemnities and insurance

80.1	These are additional <i>Purchaser's</i> risks	1. Early depletion of contracts funds due to high spares consumption than planned 2. Incorrect material delivered and not in accordance to specification 3. Lack of material traceability data books 4. non-adherence to agreed/ delivery target timelines dates 5. Safety Incidents during commuting and offloading to site 6. Goods damage due to poor handling and Storage 7. Invalid safety file/ un-updated each time the supplier uses different drivers for offloading
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	R0.0 (zero Rand)
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	(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 and (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last defects date is limited to:	The total of the Prices
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	The total of the Prices
88.5	The end of liability date is	4 weeks after consumption or use of each delivered product

9 Termination and dispute resolution

94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African
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		Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).		
	Address	To be known once the dispute arises		
	Tel No.	To be known once the dispute arises		
	Fax No.	To be known once the dispute arises		
	e-mail	To be known once the dispute arises		
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)		
94.4(2)	The <i>tribunal</i> is:	arbitration		
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.		
94.4(5)	The place where arbitration is to be held is	[•] South Africa		
	The person or organisation who will choose an arbitrator	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.		
	- if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is			
10	Data for Option clauses			
X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	[•].		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		[•]	non-adjustable	
		1.00		
X2	Changes in the law			
X2.1	A change in the law of	South Africa is a Compensation event if it occurs after the Contract Date		

X7	Delay damages		
X7.1	Delay damages for Delivery are	Delivery of	amount per day
X17	Low performance damages		
X17.1	The amounts for low performance damages are:	amount	performance level
		R [●]	for [●]
		R [●]	for [●]
		R [●]	for [●]
		R [●]	for [●]
Z	The <i>additional conditions of contract</i> are Z1 to Z15 always apply for Eskom		

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 <i>Supplier</i> or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,
Coercive Action	means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,
Collusive Action	means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,
Committing Party	means, as the context requires, the <i>Supplier</i> , or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,
Corrupt Action	means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,
Fraudulent Action	means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,
Obstructive Action	means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and
Prohibited Action	means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

- 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 <i>Supplier</i> provides the insurances stated in the Insurance Table A for events which are at the <i>Supplier's</i> risk from the <i>starting date</i> until the last <i>defects date</i> or a termination certificate has been issued.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage to the <i>goods</i> , plant and materials	The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.
Liability for loss of or damage to property (except the <i>goods</i> , 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	<u>Loss of or damage to property</u> <u>Purchaser's property</u> The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance. <u>Other property</u> The replacement cost <u>Death of or bodily injury</u> The amount required by the applicable law.
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

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

Nuclear Material Damage Terrorism	Per the insurance policy document
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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:

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

requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.

Standard means the *Purchaser's* Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.

SANAS means the South African National Accreditation System.

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

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 2010² as follows:

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

² International Chamber of Commerce, Incoterms 2010, Paris, January 2011

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	[State the constraints on how the <i>Supplier</i> manufactures, prototypes, tests and stores the <i>goods</i> including order and timing]	
2. The requirements for transport are	[State the extent to which the <i>Supplier</i> transports the <i>goods</i> and the mode of transport]	
3. The delivery place is	[State the location where the <i>goods</i> are to be placed by the <i>Supplier</i> , such as whether it is a dispatch department at the <i>Supplier's</i> premises, the <i>Purchaser</i> is to collect or other location the <i>Purchaser</i> may require. If the delivery place for the <i>services</i> is different to the <i>goods</i> state it here]	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	
	Checking packing and marking before dispatch	
	Contracting for transport	
	Pay costs of transport	
	Arrange access to delivery place	
	Loading the <i>goods</i>	
	Unloading the <i>goods</i>	
For international procurement	Undertake export requirements	
	Undertake import requirements	
5. Information to be provided by the <i>Supplier</i>	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
For international procurement	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)¹ and the relevant parts of its Guidance Notes (SC3-GN)² 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. 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	R , (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 and services</i> is:	<table><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr><tr><td>1</td><td>[•]</td></tr><tr><td>2</td><td>[•]</td></tr><tr><td>3</td><td>[•]</td></tr></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:									

¹ Either April 2013 or December 2009 Edition as stated by *Purchaser* in Contract Data part 1.

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

63.2

The *percentage for overheads and profit*
added to the Defined Cost is

%

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

1. 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	The amount due is
		<ul style="list-style-type: none"> the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, 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, plus other amounts to be paid to the <i>Supplier</i>, less amounts to be paid by or retained from the <i>Supplier</i>. <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.

2. 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.

3. 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.

3.1. 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	Description	Stock No.	Unit	Qty	Price per QTY	Total Price
1.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 29 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; SUPPL P/N: BS88-1	117228	EA	75		
2.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FSF034-1516, UNK	117279	EA	112		
3.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 30 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; 6 X 32	117282	EA	75		
4.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: F3A250V, UNK	117287	EA	300		
5.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.4 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FUJ13A, UNK	117288	EA	75		
6.	FUSE, CARTRIDGE: CURRENT: 0.5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: INDICATING; CASE	117347	EA	75		
7.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 25 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC	117351	EA	375		
8.	FUSE, CARTRIDGE: CURRENT: 2.5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 4 X LG 16 MM; TYPE: INDICATING; CASE MATERIAL: GLASS; 5 X 20MM LONG	117355	EA	375		
9.	FUSE, CARTRIDGE: CURRENT: 5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FB5, UNK	117356	EA	180		
10.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS	117358	EA	75		

11.	FUSE, CARTRIDGE: CURRENT: 500 A; POTENTIAL: 240-550 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 38 X LG 83.9 X HT 82.6 MM; TYPE: DUAL BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 500LMMT; SEMI-CONDUCTOR, ONLY THIS TYPE FOR THYRISTOR PROTECTION ON 24 VOLT DC BATTERY CHARGER	117382	EA	75		
12.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 27.3 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 3NA1218, UNK; SUPPL P/N: 5SB331 KA; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 32MJ29-4; WITH 76MM FIXING CENTERS FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 415 V; CONNECTION TYPE: SLOTTED; DIMENSIONS: DIA 30 X LG 100 MM; INTERRUPT CAPACITY: 80	117384	EA	75		
13.	FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 1 KVAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 54 X LG 59 X HT 74 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: G2UF1K, UNK	117700	EA	75		
14.	FUSE, CARTRIDGE: CURRENT: 450 A; POTENTIAL: 1 KVAC/600 VDC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: SQ 60 X HT 60 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC	117901	EA	75		
15.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET; DIMENSIONS: DIA 22 X LG 45 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: TIA20, UNK	117962	EA	75		
16.	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 38 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: DF2-CA02, UNK; TYPE 133 02	117963	EA	75		
17.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 660 V; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 28 X LG 50 X THK 40 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: UR-400A; MAIN, 00/80, SPARES FOR 160KW DRIVES INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: UR-400A; MAIN, 00/80, SPARES FOR 160KW DRIVES FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 660 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: INDICATING; CASE	117964	EA	75		
18.	FUSE, CARTRIDGE: CURRENT: 20 A; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 127 MM; TYPE: INDICATING; CASE MATERIAL: PORCELAIN; REFERENCE NO: HETT401449P2, UNK; FOR NEW AVR UNITROL P	118101	EA	75		
19.	FUSE, CARTRIDGE: CURRENT: 150 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 15.8 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; 15MM LONG	118133	EA	75		

20.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 550 VAC; CONNECTION TYPE: SCREW CLAMP CENTER TAGS; DIMENSIONS: DIA 26.2 X LG 128.7 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: TBC20	118155	EA	75		
21.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; MODEL NO: 621 CP URE 22 63, UNK; SUPPL P/N: T094823	118170	EA	75		
22.	FUSE, CARTRIDGE: CURRENT: 750 A; POTENTIAL: 550-660 VAC; CONNECTION TYPE: SCREW CLAMP CENTER TAGS; DIMENSIONS: DIA 82.5 X LG 209.6 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC	118184	EA	75		
23.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 300-600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 17037	118201	EA	75		
24.	FUSE, CARTRIDGE: POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 50 MM; INTERRUPT CAPACITY: 200 KA; TYPE: INDICATING SIGNAL; CASE MATERIAL: CERAMIC; RMS, ACTUATOR	118207	EA	75		
25.	FUSE, CARTRIDGE: CURRENT: 25 A; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; TYPE 3AG	118255	EA	75		
26.	FUSE, CARTRIDGE: CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 60 MM; TYPE: TRIP INDICATING; CASE MATERIAL: CERAMIC; 62MM LONG	118265	EA	75		
27.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 240 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET TAGS; DIMENSIONS: DIA 17 X LG 55 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC	118272	EA	180		
28.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 35 X LG 79 X HT 20 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 3NA1017, UNK	118301	EA	75		
29.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 24 KVAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 24 X LG 353 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; REFERENCE NO: ABGNA, UNK	118315	EA	75		
30.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SA121; DIAZED	118318	EA	75		
31.	FUSE, CARTRIDGE: CURRENT: 16 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 36.5 MM; TYPE: BOTTLE INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SE2016; NEOZED	118327	EA	75		

32.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 50 058 06, UNK; 600-CP-URE-1425, UNK; CYLINDRICAL, WITHOUT TRIP INDICATOR	118334	EA	75		
33.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 500-600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; WITH STRIKER PIN, TUBULAR, CP/CF	118337	EA	75		
34.	FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 550 VAC; CONNECTION TYPE: LUG; DIMENSIONS: DIA 20 X LG 45 MM; TYPE: DUAL ELEMENT; CASE MATERIAL: CERAMIC; REFERENCE NO: HSK40, UNK	118343	EA	75		
35.	FUSE, CARTRIDGE: CURRENT: 150 A; POTENTIAL: 380 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 20 X LG 45 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: HB0150, UNK	118356	EA	75		
36.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 240 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 38 X LG 82.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; REFERENCE NO: 400LMMT, UNK; GSA400, UNK; SEMICONDUCTOR THYRISTOR	118370	EA	75		
37.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 600 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 34.6 X LG 106.4 X HT 77.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC	118375	EA	75		
38.	FUSE, CARTRIDGE: CURRENT: 6 A; POTENTIAL: 400 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 28 X LG 134 MM; TYPE: FAST BLOW; CASE MATERIAL: FIBER; PROTISTOR	118380	EA	75		
39.	FUSE, CARTRIDGE: CURRENT: 160 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: TIME DELAY; CASE MATERIAL: GLASS; TIMELAG	118432	EA	75		
40.	FUSE, CARTRIDGE: CURRENT: 800 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: GLASS; REFERENCE NO: F0- 8-250C, UNK; WHITE DOT INDICATOR	118435	EA	75		
41.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 25 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: M4-250G, UNK; COLOURED BEAD EXTENDS FROM ONE END	118438	EA	112		
42.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: SLO BLO; CASE MATERIAL: CERAMIC; CURRENT LIMITING; TYPE GL, FOR 50 VOLT BATTERY CHARGER DC BOARD AB390	118448	EA	75		

43.	FUSE, CARTRIDGE: CURRENT: 250 A; POTENTIAL: 350 VAC; CONNECTION TYPE: LUG AXIAL OFFSET SCREW CLAMP; DIMENSIONS: DIA 38.1 X LG 82.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; HIGH SPEED INSTANTANEOUS OPERATION, 10.5MM SLOT, 57.2MM MTG CENTERS, ONE TIME, NON INDICATING	118453	EA	75		
44.	FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 3.3-3.6 KVAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 76.3 X LG 254.5 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: WKFH5, UNK; HRC LEL, COMPLETE WITH STRIKER PIN, FOR REYROLL BREAKERS	118454	EA	75		
45.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 600 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 21.64 X LG 111 MM; TYPE: FAST BLOW; CASE MATERIAL: FIBER; SUPPL P/N: A60X50/TYPE4; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118496	EA	75		
46.	FUSE, CARTRIDGE: CURRENT: 560 A; POTENTIAL: 550 V; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 75.5 X LG 207 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: TTM560	118518	EA	75		
47.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 27.2 X LG 50.6 MM; TYPE: BOTTLE INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SB32, UNK; HRC, ORIGINAL DIAZES	118520	EA	112		
48.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13.6 X LG 50.2 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SA281; ORIGINAL DIAZED	118689	EA	75		
49.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 660 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; TUBULAR, FORM 4	118693	EA	75		
50.	FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 26 X LG 100 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: JH40; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118694	EA	75		
51.	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; HIGH SPEED, OG, FOR DIGITAL AVO METER	118698	EA	75		
52.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 21 X LG 51 MM; TYPE: INDICATING BOTTLE; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SA171, UNK	118699	EA	75		

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53.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SA151, UNK	118701	EA	75		
54.	FUSE, CARTRIDGE: CURRENT: 125 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-201, UNK	118707	EA	75		
55.	FUSE, CARTRIDGE: CURRENT: 125 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-001, UNK	118708	EA	75		
56.	FUSE, CARTRIDGE: CURRENT: 3.75 MA; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-003, UNK	118709	EA	75		
57.	FUSE, CARTRIDGE: CURRENT: 750 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417087-005, UNK	118710	EA	75		
58.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 32 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; REFERENCE NO: 311010, UNK	118714	EA	112		
59.	FUSE, CARTRIDGE: CURRENT: 750 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS	118725	EA	75		
60.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 30-750 V; CONNECTION TYPE: SCREW IN; DIMENSIONS: DIA 27.7 X LG 75.2 MM; TYPE: INDICATING; CASE MATERIAL: FIBER; OEM P/N: B42.26900-0019, MANUFACTURER: GE STEAM POWER SERVICE; DRAWING NO: 2690-084 REV 0; PROTISTOR	118726	EA	75		
61.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 14 X LG 85 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; SUPPL P/N: GTIA20; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118727	EA	75		
62.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 125 VAC; CONNECTION TYPE: WIRE LEAD; DIMENSIONS: DIA 5 X LG 8 MM; CASE MATERIAL: METAL; REFERENCE NO: 432A, UNK	118730	EA	75		
63.	FUSE, CARTRIDGE: CURRENT: 15 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 55 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; TUBULAR	118731	EA	75		
64.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; REFERENCE NO: L693, UNK; TUBULAR	118732	EA	75		

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65.	FUSE, CARTRIDGE: CURRENT: 150 A; POTENTIAL: 240-450 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET; DIMENSIONS: DIA 34.5 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; EE, GSA, RMS	118734	EA	75		
66.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 32 MM; TYPE: SLO BLOW; CASE MATERIAL: GLASS; SB	118736	EA	75		
67.	FUSE, CARTRIDGE: CURRENT: 1.6 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 32 MM; TYPE: SLO BLOW; CASE MATERIAL: GLASS; REFERENCE NO: K9774741-P21, UNK	118737	EA	75		
68.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 125 VDC; CONNECTION TYPE: WIRE LEAD AXIAL; DIMENSIONS: DIA 2 X LG 81 MM; TYPE: PICO; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417087-113, UNK; CURRENT LIMITING	118738	EA	75		
69.	LENS: TYPE: FUSE BASE; DIMENSIONS: DIA 35.1 X LG 30 MM; MATERIAL: PORCELAIN; WITH CAP SCREW	118713	EA	112		
70.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: YELLOW; TERMINAL: SOLDER; REFERENCE NO: 01-132, UNK; COMPLETE WITH 24VOLT LAMP AND LENS, 18MM X 24MM, PRESET BUTTON	137107	EA	112		
71.	LENS, PUSHBUTTON: REFERENCE NO: 02-222-011, UNK; CH4600, UNK; COMPLETE WITH LENS; OLTEN; 300 VAC; LAMP 60V/1.2W	139076	EA	112		
72.	LENS, INDICATING LIGHT: COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME; FOR TELEMECANIQUE INDICATOR TYPE XB2MV104	145944	EA	75		
73.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME; REFERENCE NO: XB2MV, UNK; FOR TELEMECANQUE TYPE XB2MV104	145945	EA	75		
74.	LENS, INDICATING LIGHT: COLOR: BLUE; MATERIAL: PLASTIC; SHAPE: FLAT; REFERENCE NO: 297-95, UNK	145947	EA	75		
75.	LENS, PUSHBUTTON: COLOR: RED; MATERIAL: PLASTIC; DIMENSIONS: SQ 13.8 MM; REFERENCE NO: 01-151, UNK; FOR OLTEN PUSH BUTTON	145948	EA	75		
76.	LENS, INDICATING LIGHT: DIMENSIONS: 24 X 18 MM; COLOR: RED; MATERIAL: PLASTIC; SHAPE: RECT; FOR EAD SIGNAL LAMP	145951	EA	75		
77.	LENS, INDICATING LIGHT: TYPE: PILOT; COLOR: CLEAR; MATERIAL: PLASTIC; SHAPE: FLAT	145952	EA	75		
78.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: GRUN/GUL 260; OVERLOAD	145955	EA	75		
79.	LIGHT, INDICATING: TYPE: PILOT; COLOR: WHITE; TERMINAL: SCREW; REFERENCE NO: 01-052, UNK; PUSH-ON, PUSH BUTTON, FLUSH MOUNTED, PANEL CUT-OUT 15MM DIAMETER, FACE 18 X 18 SQUARE, LENS SIZE 12 X 12MM	145959	EA	75		

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80.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: GREEN; TERMINAL: SOLDER; REFERENCE NO: 01-050, UNK; PUSH-ON, PUSH BUTTON, FLUSH MOUNTED PANEL, CUT-OUT 15MM DIAMETER, FACE 18 X 18 SQUARE, LENS SIZE 12 X 12MM	145960	EA	75		
81.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME	145961	EA	75		
82.	LENS: TYPE: INSPECTION; DIMENSIONS: DIA 180 X THK 6 MM; MATERIAL: PLEXIGLASS; PERSPEX; FOR 18KV TRUNKING	146026	EA	75		
83.	LENS, PUSHBUTTON: COLOR: RED; MATERIAL: PLASTIC; DIMENSIONS: WD 12.9 X LG 18.8 MM; FOR INDICATOR APPARATE BAU TYPE 01-040	146028	EA	75		
84.	LENS, PUSHBUTTON: COLOR: WHITE; MATERIAL: PLASTIC; DIMENSIONS: WD 12.8 X LG 18.8 MM; SUPPL P/N: 01-901.9; FOR ELEKTRO- APPARATEBAU OLTEN AG INDICATOR TYPE 01-040	146030	EA	75		
85.	LAMP, INCANDESCENT: TYPE: APPLIANCE; POWER: 6 W; POTENTIAL: 120 VAC; BASE: E12; COLOR: CLEAR; INDICATOR, SIZE 18MM X 52MM	146205	EA	112		
86.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 60 V; BASE: E10; COLOR: CLEAR; TUBULAR, 30MM LONG X 6MM DIA	146207	EA	112		
87.	LAMP, FLUORESCENT: POWER: 8 W; POTENTIAL: 220 V; BASE: MINIATURE BI PIN; COLOR: WHITE COOL DAYLIGHT; LENGTH: 300 MM; BULB: T5; RAPID START BALLAST REQUIRED FOR OPERATING	146217	EA	75		
88.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 60 W; POTENTIAL: 220-250 V; BASE: B22D; COLOR: GREEN; REFERENCE NO: 60WBCGREEN, UNK; DOUBLE CONTACT BAYONET	146241	EA	150		
89.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 60 W; POTENTIAL: 220-250 V; BASE: B22D; COLOR: YELLOW; REFERENCE NO: 60WBCYELLOW, UNK; DOUBLE CONTACT BAYONET	146242	EA	112		
90.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 4 W; POTENTIAL: 30 V; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET, 16X35	146244	EA	75		
91.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 24 V; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT, SMALL BAYONET BASE, 16X35	146246	EA	75		
92.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 24 V; BASE: E10; COLOR: CLEAR; SUPPL P/N: EQ2242; 80MA, 10X28, MINIATURE SCREW	146247	EA	75		
93.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 1 W; POTENTIAL: 24 V; BASE: SINGLE CONTACT MINIATURE SCREW; COLOR: CLEAR; BULB: E5	146271	EA	75		
94.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 25 W; POTENTIAL: 25 V; BASE: BA22D; COLOR: CLEAR; 56X100, DOUBLE CONTACT BAYONET	146274	EA	150		
95.	LAMP, INCANDESCENT: TYPE: SIGNAL; POWER: 2 W; POTENTIAL: 60 V; BASE: BA95; COLOR: CLEAR; BAYONET, 9MM DIA X 22MM LONG	146284	EA	75		

96.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 24 V; BASE: BA9S; COLOR: CLEAR; SMALL, SINGLE CONTACT, 15X28, MINIATURE BAYONET	146285	EA	75		
97.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 12 V; BASE: SBC; COLOR: CLEAR; BULB: NE51; REFERENCE NO: 603, UNK; 603 12V/SC, UNK	146293	EA	75		
98.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220 V; POWER: 70 W; BASE: E27; COLOR: FROSTED INSIDE; REFERENCE NO: NAVE, UNK; SUPPL P/N: NAVE70W; BASE SCREW TERMINAL; ELIPTICAL SHAPE; WITH INTERNAL STRIKER	146374	EA	300		
99.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 24 V; BASE: BA9S; COLOR: RED; REFERENCE NO: BA95, UNK; 80MA, MINITURE BAYONET, SIZE 10MM DIA X 25MM LONG	146534	EA	75		
100.	LAMP, INCANDESCENT: TYPE: XENON FLASHLIGHT; POWER: 3.6 W; POTENTIAL: 7.2 V; BASE: MINIATURE FLANGE; COLOR: CLEAR; BULB: PR118; 0.75 AMP.	146535	EA	6000		
101.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 6-10 W; POTENTIAL: 110-140 V; BASE: E14; SIZE 54MM OVERALL LENGTH X 16MM BULB DIA, SCREW TERMINAL	146555	EA	75		
102.	LAMP, INCANDESCENT: TYPE: SWITCHBOARD; POWER: 1.2 W; POTENTIAL: 48 V; BASE: T5.5; COLOR: CLEAR; WEDGE, 25MA, 4.8 X 30MM LONG, TELEPHONE SLIDE	146601	EA	75		
103.	LAMP, QUARTZ: POWER: 250 W; POTENTIAL: 250 V; BASE: E11; COLOR: CLEAR; FOR FITTING H010, SCREW TERMINAL, TUNGSTEN HALOGEN	146611	EA	75		
104.	LAMP, FLUORESCENT: POWER: 20 W; POTENTIAL: 250 V; BASE: MOGUL BI PIN; COLOR: BLACK LIGHT; LENGTH: 604 MM; BULB: T10; REFERENCE NO: FL205 BL/NL/E; 33MM DIA	146616	EA	75		
105.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 160 VAC; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET	146640	EA	75		
106.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 6 V; BASE: BA9S; COLOR: CLEAR; BULB: NE51; SUPPL P/N: B2336; 8, 5X23, MINIATURE BAYONET	146645	EA	75		
107.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 6 V; BASE: E10; COLOR: CLEAR; 10X28, MINIATURE SCREW TERMINAL	146648	EA	75		
108.	LAMP, INCANDESCENT: TYPE: INDICATING; POTENTIAL: 6.5 V; BASE: E10; COLOR: CLEAR; 0.15A, 10X30, MINIATURE SCREW TERMINAL	146649	EA	75		
109.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 48 V; BASE: BA9S; BULB: NE51; 9MM DIA X 23MM LENGTH, MINIATURE BAYONET	146666	EA	75		
110.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 40 W; POTENTIAL: 6.3 V; BASE: MIDGET FLANGE; COLOR: CLEAR; SIZE 7MM BASE X 5.7MM DIAMETER X 16MM LONG	146675	EA	75		

111.	LAMP, FLUORESCENT: POWER: 30 W; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 900 MM; BULB: T12; REFERENCE NO: TLA30W33, UNK; 38MM DIA	146695	EA	75		
112.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 10 W; POTENTIAL: 125 V; BASE: E14; COLOR: CLEAR; SCREW TERMINAL	146710	EA	75		
113.	LAMP, QUARTZ: POWER: 500 W; POTENTIAL: 220-230 V; BASE: T3; COLOR: CLEAR; SUPPL P/N: 10DE; HALOGEN QUARTZ, SCREW E40, SIZE 38MM DIA X 212MM LONG, SCREW TERMINAL	146712	EA	75		
114.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; MANGANESE	146823	EA	75		
115.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; REFERENCE NO: 56-100029-00, UNK; LEAD	146824	EA	75		
116.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; ZINC	146825	EA	75		
117.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; REFERENCE NO: 56-100004-00, UNK; BARIUM	146826	EA	75		
118.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 220 V; POWER: 2 W; COLOR: WHITE; TERMINAL: SCREW; LAMP FITTING, COMPLETE WITH LENS, FOR 380V WATER PLANT BOARDS, PANEL CUTOUT 22.5MM, MINIATURE INCANDESCENT	146827	EA	75		
119.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; SILICON	146839	EA	75		
120.	LAMP, FLUORESCENT: POWER: 4 W; BASE: MINIATURE BI PIN; COLOR: WHITE; LENGTH: 150 MM	146840	EA	75		
121.	LAMP, INCANDESCENT: TYPE: PROJECTOR; POWER: 150 W; POTENTIAL: 24 V; BASE: MEDIUM 2 PIN; COLOR: CLEAR; BULB A1/216	146841	EA	75		
122.	LAMP, QUARTZ: POWER: 200 W; POTENTIAL: 30 V; COLOR: CLEAR; BULB: A1/223; HALOGEN, BASE WIRE TERMINAL	146842	EA	75		
123.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; ANTIMONY	146843	EA	75		
124.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2.2 W; POTENTIAL: 12 V; BASE: BA95; COLOR: CLEAR; SUPPL P/N: MBC 12Y; MINIATURE BAYONET	146844	EA	75		
125.	LIGHT, INDICATING: TYPE: PILOT; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: XB2MV154; MINIATURE INCANDESCENT	146845	EA	75		
126.	LIGHT, INDICATING: TYPE: PILOT; COLOR: YELLOW; TERMINAL: SCREW; REFERENCE NO: XB2MV155, UNK; ZB2MV05, UNK; ZB2MV10, UNK; ZB2MV905, UNK; LAMP, COMPLETE WITH LENS, CONSIST OFF BODY, RESISTOR BLOCK, MINIATURE INCANDESCENT	146846	EA	75		
127.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2.4 W; POTENTIAL: 48 V; BASE: BA95; COLOR: CLEAR; SBC, BA 9.5, MINIATURE BAYONET	146848	EA	75		

128.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 28 V; BASE: BA195; COLOR: CLEAR; REFERENCE NO: 0919505; 60MA, SIZE 23 X 10MM OUTSIDE DIAMETER, MINIATURE BAYONET	146849	EA	75		
129.	LAMP, FLUORESCENT: POWER: 22 W; POTENTIAL: 250 V; BASE: 4 PIN; COLOR: WHITE COOL; BULB: G10Q; CIRCLINE; PLUG-IN	146857	EA	75		
130.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 48 V; BASE: BA15D; COLOR: CLEAR; SIZE 16 X 35, DOUBLE CONTACT BAYONET	146858	EA	75		
131.	LENS, INDICATING LIGHT: TYPE: METRAWATT INDICATOR; COLOR: RED; MATERIAL: PLASTIC; SHAPE: SQ; REFERENCE NO: 657442, UNK; REN	146863	EA	75		
132.	LENS, INDICATING LIGHT: TYPE: METRAWATT INDICATOR; COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: SQ; REFERENCE NO: 657442, UNK	146864	EA	75		
133.	LAMP, QUARTZ: POWER: 250 W; POTENTIAL: 250 V; BASE: E14; COLOR: CLEAR; 80MM SINGLE ENDED, CAP SIZE, MINIATURE SCREW TERMINAL, TUNGSTEN HALOGEN	146866	EA	75		
134.	LENS, INDICATING LIGHT: COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME; FOR INDICATION LAMP HOLDER ON 11KV HAWKER SIDDELEY SWITCHGEAR	147311	EA	75		
135.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: FLUTED; FOR INDICATION LAMP HOLDER ON 11KV HAWKER SIDDELEY SWITCHGEAR	147312	EA	75		
136.	LENS, INDICATING LIGHT: TYPE: OUTO BURNER; COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME	150039	EA	75		
137.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME; FOR BLACK OUTO BURNER	150040	EA	75		
138.	LIGHT: TYPE: INDICATING; POTENTIAL: 110 VAC/DC; COLOR: GREEN; SUPPL P/N: MRE; FOR A 22MM PANEL HOLE, ON ABB 3.3/6.6KV UNIFLEX MEDIUM VOLTAGE SWITCH GEAR	183684	EA	75		
139.	LIGHT: TYPE: INDICATING; POTENTIAL: 110 VAC/DC; COLOR: RED; SUPPL P/N: MRE; FOR A 22 MM PANEL HOLE, ON ABB 3.3/6.6KV UNIFLEX MEDIUM VOLTAGE SWITCH GEAR	183685	EA	75		

140.	LAMP, FLUORESCENT: POWER: 18-33 W; POTENTIAL: 230 VAC; BASE: G13; BI PIN; COLOR: WHITE COOL; LENGTH: 600 MM; THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	207956	EA	1650		
141.	LAMP, INCANDESCENT: POWER: 60 W; POTENTIAL: 240 VAC; BASE: E27; COLOR: SILVER COATED; SPOTLINE R63; THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	207958	EA	75		
142.	LAMP, FLUORESCENT: POWER: 20 W; POTENTIAL: 230 VAC; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 600 MM; SUPPL P/N: TL20W/33RS; NOTE! THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	209824	EA	75		
143.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: ORANGE; MANUF P/N: T5501-4; 120VAC+10%; 15%, 50/60 HZ, +/-5, ENERGIZED	711492	EA	75		
144.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: RED; MANUF P/N: T5501-2; 120VAC +10%; -15%; 50/60 HZ, +/-5	711496	EA	75		
145.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: WHITE; MANUF P/N: T5501-1; ENERGIZED; POTENTIAL: +10%, -15%, (50/60HZ), +/-5	711506	EA	75		
146.	DIODE, LIGHT EMITTING: DIMENSIONS: WD 245 X LG 384 X HT 50 MM; SHAPE: OVAL; COLOR: GREY; INDUSTRY STANDARD: SANS/IEC 60598-2-5, SANS475, IEC60079-15, IEC60079-31; POTENTIAL: 230 V; CURRENT: 700 MA; L70 F50, IP65, 4000K, LASCON B40 BULKHEAD- LUMINARIES RETROFIL PLATE 53WLIGHT:	685917	EA	3750		
147.	DIODE, LIGHT EMITTING: DIMENSIONS: WD 524 X LG 50 X HT 400 MM; SHAPE: RECTANGULAR; COLOR: BLACK; INDUSTRY STANDARD: SANS/IEC 60598-2-5, SANS 475; POTENTIAL: 202-254 VAC 47-63 HZ; CURRENT: 700 MA; HIGH OUTPUT SMD LED MODULE, HIGH PRESSURE, DIE-CAST, ALUMINUM, IP66, IK08 POLYESTER EPOXY POWDER COATING, KRATOS SI 3 LED FL 215W-700MA	0685080	EA	2500		
148.	LAMP, INCANDESCENT: TYPE: FLOOD; POWER: 1000 W; POTENTIAL: 220 V; BASE: E40; COLOR: CLEAR; SCREW MOGUL	0146171	EA	2500		
149.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220-250 V; POWER: 360 W; BASE: E40; COLOR: WHITE; SUPPL P/N: NH360FLX; ELLIPTICAL; CAP: 290 MM O/A LONG; UNIVERSAL BURNING POSITION; USED IN CONJUNCTION WITH BALLAST; NOTE! ITEM MUST BE ORIGINAL PACKED	0146698	EA	2500		

150.	LAMP, FLUORESCENT: POWER: 28 W; POTENTIAL: 220 VAC; BASE: BI PIN; COLOR: WHITE; LENGTH: 1.2 M; BULB: L36; TUBES	0226214	EA	2500		
151.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220-250 V; POWER: 1000 W; BASE: E40; SUPPL P/N: NAVT1000W; REFERENCE NO: VIALOX NAV-T (SON T); TUBULAR TYPE LAMPS WILL BE ACCEPTED	0146861	EA	1000		
152.	LAMP, FLUORESCENT: TYPE: COMPACT; POWER: 36 W; POTENTIAL: 220 V; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 1.2 M; SUPPL P/N: L36/20; REFERENCE NO: L36W/20; 26MM DIAMETER	0146587	EA	1000		
153.	LAMP, FLUORESCENT: TYPE: SLIMLINE; POWER: 58 W; POTENTIAL: 220 V; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 1.5 M; BULB: T8; 26MM DIAMETER	0146537	EA	1000		
154.	RELAY 2NO 2NC DC COIL110V L-PWR	237512	EA	10		
155.	MMS MAG.PROT. 6,3 HIGH BREAKING	237467	EA	15		
156.	BKR CCT LV: GPS1MHAK : BACK/DIN RAIL;3;10 A;400 V;8kA	237466	EA	15		
157.	BREAKER CCT LV:BACK/DIN RAIL;MCB;13 A	237449	EA	15		
158.	MMS MAG.PROT. 16 HIGH BREAKING	237458	EA	15		
159.	BKR CIRC: GPS1MHAP: 400 VAC;25 A;3P	237457	EA	15		
160.	FAN, ELECTRIC: TYPE: AXIAL; SIZE: 910 MM; POTENTIAL: 400 VAC; CURRENT: 3.8 A; VOLUME RATING: 5.1 M3/S; INSULATION CLASS: THCL155;	0600196	EA	10		
161.	SWITCH, PRESSURE: TYPE: PRESSURE RELIEF DEVICE; RANGE: 10 +/-1 PSI; POTENTIAL: 250 VDC; CURRENT: 10 A; ACTION: SPST; CONNECTION:	0600197	EA	20		
162.	RELAY: TYPE: TRANSFORMER PROTECTION; COIL VOLTAGE: MAGNETIC CONTACT TUBE; CONTACT ARRANGEMENT: 1NO 2NO; CONTACT RATING: 250 V 6 A;	0600201	EA	10		
163.	PUMP: TYPE: OIL CIRCULATING; SIZE: 250 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 6251; SANDBLASTED	0600202	EA	10		
164.	PUMP: TYPE: OIL CIRCULATING; SIZE: 220 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 6285; SURFACE	0600203	EA	10		

165.	PUMP: TYPE: OIL CIRCULATING; SIZE: 250 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 373;374; SURFACE	0600205	EA	10		
166.	VALVE: TYPE: SUDDEN FLOW; VALVE SIZE: DN 80; DESIGN RATING: 2.07 L/S; TEMPERATURE RATING: -35 TO 100 DEG C; CONNECTION: FLANGE;	0600207	EA	10		
167.	BUSHING, ELECTRICAL CONDUCTOR: TYPE: RESIN IMPREGNATED PAPER; POTENTIAL: 36 KV; CURRENT: 30 KA; OEM P/N: 373374 6285; RTXF36-30 CU	0600270	EA	10		
168.	P/N: 373; 374; 4 SWITCH; LENGTH: 12M	0601785	EA	48		
169.	INDICATOR: TYPE: WINDING TEMPERATURE; DIMENSIONS: DIA 173 X WD 98 MM; RANGE: 0-160 DEG C; SCALE: DEG C; RATING: 250 VDC 0.4 A;	0601786	EA	48		
170.	INDICATOR: TYPE: OIL LEVEL; DIMENSIONS: DIA 173 X WD 81 MM; RANGE: -50 TO 80 DEG C; SCALE: DEG C; RATING: 250 VDC 0.1 A; REFERENCE	0601787	EA	8		
171.	INDICATOR: TYPE: OIL FLOW; DIMENSIONS: DIA 110 X WD 78 MM; RANGE: 300-600 L/MIN; SCALE: ON/OFF; RATING: 250 VDC 0.25 A; REFERENCE	0601788	EA	8		
172.	INDICATOR: TYPE: OIL FLOW; DIMENSIONS: DIA 95.3 X WD 89.7 MM; RANGE: 300-600 L/MIN; SCALE: ON/OFF; RATING: 250 VAC 5 A; REFERENCE	0601789	EA	8		
173.	RELAY, CONTROL: CONTACT RATING: 230 VAC 2 A 400 VA; CONTACT ARRANGEMENT: 3NO; COIL VOLTAGE: 220 VAC; ACTION: 3PST; MOUNT: BRACKET;	0626807	EA	8		
174.	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 400/690 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 23 A; POLE: 3; SPECIFICATION: IEC 947; EN 60	0630743	EA	20		
175.	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 10 A; POLE: 4; ENCLOSURE RATING: IP20; CONTACT	0630744	EA	20		
176.	TERMINAL: SCREW; OPERATING TEMPERATURE RANGE: -50 TO 80 DEG C; DIMENSIONS: WD 44.9 X LG 108.2 X DP 78.7 MM	0630745	EA	20		

177.	CONTACT, AUXILIARY: TYPE: RELAY; CONTACT ARRANGEMENT: 4NC; CURRENT: 10 A; POTENTIAL: 230 VAC; MATERIAL: PLASTIC; CLASSIFICATION:	0630746	EA	20		
178.	RELAY: TYPE: CONTROL; COIL VOLTAGE: 400 VAC; CONTACT ARRANGEMENT: 3NO 4NC; CONTACT RATING: 400 V 10 A; ACTION: SPDT; TERMINAL: 11	0630747	EA	15		
179.	RELAY: TYPE: CONTROL; COIL VOLTAGE: 230 VAC; CONTACT ARRANGEMENT: 2NO 2NC; CONTACT RATING: 100 A; ACTION: DPDT; TERMINAL: PIN;	0630748	EA	20		
180.	RELAY, OVERLOAD: TRIP RANGE: 0.2-27 A; TYPE: LOAD PROTECTION; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 16 A; TERMINAL:	0630750	EA	20		
181.	RELAY, CONTROL: CONTACT RATING: 250 VAC 5 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 250 VAC; ACTION: 2SPDT; MOUNT: BRACKET;	0630875	EA	20		
182.	RELAY, TIME DELAY: OPERATION: 120 S; CONTACT ARRANGEMENT: 4NO 4NC; ACTION: DPST; CONTACT RATING: 230 VAC 5 A; COIL VOLTAGE: 230	0630876	EA	20		
183.	-30 TO 120 DEG C	0630878	EA	20		
184.	SOCKET, ELECTRICAL: TYPE: WATERPROOF; CONTACT: 8 PIN; POTENTIAL: 230 VAC; 220 VDC; CONFIGURATION: DPDT; CONNECTION: SCREW;	0630981	EA	10		
185.	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: ADJUSTABLE CB; POTENTIAL: 690 VAC; CURRENT: 6 A; SHORT TIME CURRENT: 325 A; POLE: 3; CONTROL	0645098	EA	10		
186.	LATCH: TYPE: LEVER; DIMENSIONS: WD 55 X HT 55 X DP 80 MM; MATERIAL: PLASTIC; SUPPL P/N: 100-FL11KF; POTENTIAL: 230 VAC; CONTACT	0645100	EA	10		
187.	ELEMENT, HEATER: POTENTIAL: 230 VAC; POWER: 60 W; SUPPL P/N: 60W-203	0645101	EA	15		
188.	FAN, ELECTRIC: TYPE: COOLING AVR; POTENTIAL: 230 VAC; VOLUME RATING: 40 CM3; SUPPL P/N: D2E133DM4701; REFERENCE NO: 3UFAFCAP; RATING 50- 60HZ, COMPLETE WITH CAPACITOR	0040324	EA	10		

189.	HOOK: TYPE: INSULATOR HOOK ASSEMBLY; DIMENSIONS: LG 40 x WD 24 x HT 60 MM; MATERIAL: G11 INSULATION; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; OEM P/N: ESCK102; THE FOLLOWING ACCESSORIES MUST BE PART OF THE INSULATOR HOOK ASSEMBLY:	0738615	EA	10		
190.	CLAMP ASSEMBLY: TYPE: COPPER BRAIDED STRAP HOLDER; DIMENSIONS: LG 100 X WD 30 X HT 62.5 MM; MATERIAL: S355JR STEEL PLATE TIN PLATED.; ACCESSORY COMPONENTS: TWO CAP HEX BOLT M8X25 WITH FLAT AND SPRING WASHERS; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; OEM P/N: ESCK103; U-SHAPED CLAMP WITH CENTRAL DIAMETER OF OD 16 MM	0738614	EA	10		
191.	STRAP, GROUNDING: TYPE: COPPER BRAIDED STRAP ASSEMBLY; WIDTH: 40 MM; LENGTH: 1101 MM; MATERIAL: COPPER-TIN PLATED; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; SPECIFICATION: DIN46443; OEM P/N: ESCK100; BRAIDED STRAP: LG 1000 MM X WD28 MM X THK6 MM, STRAND DIAMETER OD 0.1 MM EACH, MATERIAL: CU/X6CLNITI8-10	0738504	EA	10		
192.	STUD: TYPE: INSULATION; DIAMETER: 30.1 MM; THREAD: NOT THREADED; LENGTH: 137 MM; MATERIAL: BASE: MILD STEEL SHAFT: INSULATION (G11); THREAD LENGTH: 0 MM; OEM P/N: ESCK101; STUD BASE DIMENSIONS: OD 30.1 MM	0738516	EA	10		
193.	MODULE, POWER SUPPLY: INPUT: 21-26.4 V 9 A; OUTPUT: 5.25-12 V; SUPPL P/N: KUC321AE; REFERENCE NO: HIEE300698R1; FOR NEW AVR UNITROL P, SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED, SEALED AND CLEARLY MARKED	0142569	EA	20		
194.	MODULE: TYPE: BYPASS; INPUT: 380 V; OUTPUT: 380 V; POWER SOURCE: 380 V AC; SUPPL P/N: 6RICSKRH017B; REFERENCE NO: NF12345; SCR 3PH CARD	0223060	EA	20		
195.	BLOWER: TYPE: H2 DRYER; MODEL NO: D35508; THE SPARES ARE FOR THE HYDROGEN DRYER AND MONITORING ON THE GENERATOR UNIT 1 TO 6; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	0234240	EA	10		
196.	KIT: TYPE: VD4 CB LOCKING MAGNET; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R5909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239738	EA	20		
197.	KIT: TYPE: VMAX CB SHUNT OPENING RELEASE; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF339752R2909; 110VDC, 3.3KV AND 11KV BOARDS	0239740	EA	20		
198.	KIT: TYPE: VMAX CB SHUNT CLOSING RELEASE; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF339752R6909; 110VDC, 3.3KV AND 11KV BOARDS	0239741	EA	20		
199.	KIT: TYPE: VMAX CB MOTOR OPERATOR; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF329750R8948; EL2S-EL3, 220V 50HZ, 3.3KV AND 11KV BOARDS	0239742	EA	20		

200.	KIT: TYPE: VM1 CB POWER CARD; APPLICATION: SERVICE BOARDS C/D 3.3 KV; REFERENCE NO: 1VCF359899R0142; ED2 100/205V STANDARD	0239744	EA	20		
201.	KIT: TYPE: VD4 CB AUX SWITCH; APPLICATION: SERVICE BOARDS A/C 3.3 KV; REFERENCE NO: 1PLS000000D7655; 5NO	0239747	EA	20		
202.	MODULE: TYPE: FAN; APPLICATION: UPS; SUPPL P/N: 2526023; REFERENCE NO: 7855ES; PAPST	0253368	EA	10		
203.	MODULE: TYPE: SCR; INPUT: 1200V; 55A; MANUF P/N: 02600134; SEMIPACK	0582999	EA	10		
204.	RELAY: TYPE: TRANSFORMER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (2) 3PDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: RET541AB231AAAB	0598847	EA	10		
205.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (2) 3PDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: REM543CM212AAAB	0598848	EA	10		
206.	RELAY: TYPE: BUS PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; REFERENCE NO: 543KC127AAAB	0598849	EA	10		
207.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 6 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: REM543CM214AAAA	0598851	EA	10		
208.	RELAY: TYPE: INCOMMER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; REFERENCE NO: 541KM115AAAB	0598855	EA	10		
209.	RELAY: TYPE: MULTI PURPOSE PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 1NO 4NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: SPAJ140C- AA	0598852	EA	15		

210.	DEVICE, INTELLIGENT ELECTRONIC: TYPE: OVERCURRENT AND EARTH FAULT PROTECTION; VOLTAGE: 110/220 VDC; DRAWING NO: D9049 REV 1; CURRENT: 1-5 AMPERE; SPECIFICATION: CORROSION DISSCABD1 REV 2/DISASAC19 REV 2; ESKOM DISSCABD1 REV 2/DISASAC19 REV 2; MAT DISSCABD1 REV 2/DISASAC19 REV 2; STD DISSCABD1 REV 2/DISASAC19 REV 2; TEST/CERTIFICATION DISSCABD1 REV 2/DISASAC19 REV 2; GE MULTILIN F35; ON FOUR INDEPENDENT THREE PHASE CURRENT INPUTS; INCLUDES TWO REAR EIA-485 COMMUNICATION PORTS WITH DNP3/MODBUS PROTOCOLS; INCLUDES IRIG-B TIME SYNCH INTERFACE; TRANSFORMERS; USED IN 4BZ5700 AND 4BZ5800 PROTECTION SCHEMES; IDENTIFICATION: INDELIBLE MNFRS TRADEMARK AND PART NO. ON ALL ITEMS; 4BZ5X00	0224992	EA	24		
211.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 110 W; ACTION: 1P; TERMINAL: SCREW; MOUNT: SCREW; ENCLOSURE RATING: IP52; SUPPL P/N: MIFIPI11E20HI00	0599904	EA	40		
212.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; SUPPL P/N: SPTU240R3; REFERENCE NO: SPAM150C	0602768	EA	20		
213.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; APPLICATION: RELAY; SUPPL P/N: SPTU240R1; REFERENCE NO: SPAJ142C	0602769	EA	20		
214.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; SUPPL P/N: SPAU130C	0602770	EA	20		
215.	POWER SUPPLY: INPUT: 5 V; OUTPUT VOLTAGE: 5-12 V; OUTPUT CURRENT: 1- 10 A; TYPE: CHARGER; SPECIFICATION: EN61000-3-2-3; SUPPL P/N: PSU100-RT-85C	0659643	EA	20		
216.	BOARD, PRINTED CIRCUIT: TYPE: GRAPHIC DISPLAY; SUPPL P/N: PCA100-PCA7502012	0659696	EA	20		
217.	ELEMENT, HEATER: DIMENSIONS: LG 1015 X OD 280 MM; TYPE: H2 DRYER; POTENTIAL: 110 VAC; POWER: 1064 W; MATERIAL: SENDANIAL; TEMPERATURE RATING: 0-250 DEG C; CURRENT: 8 A; MANUF P/N: D53251	0711376	EA	20		
218.	RELAY: TYPE: NUMERIC; COIL VOLTAGE: 110 VAC; CONTACT ARRANGEMENT: 1N/O, 1N/C; CONTACT RATING: 5 AMPS; ACTION: 1PST; TERMINAL: 7 SCREW; MOUNT: SURFACE; ENCLOSURE RATING: IP20; SUPPL P/N: REA 105 IMRS090418-AA; ARC DETECTION; INSTALLED IN 11KV AND 3.3KV SWITCHGEAR INCOMERS AT THE UNITS 1-6 AND COMMON PLANT	0712435	EA	20		

219.	RELAY: TYPE: ELECTROMAGNETIC; COIL VOLTAGE: 24 VAC; CONTACT ARRANGEMENT: 2N/O; CONTACT RATING: 6 A; ACTION: 1PDT; TERMINAL: 9 PINS; MOUNT: PLUG IN BASE; ENCLOSURE RATING: IP44; SUPPL P/N: RMXC 1 IMRS000460- AD; SUPERVISORY IPC/IPT; INTSALLED IN 11 KV AND 3.3 KV SWITCHGEAR FEEDERS AT THE UNITS 1-6 AND COMMON N PLANT	0712433	EA	20		
220.	MODULE: TYPE: OUTPUT TA CARD; INPUT: 220 VDC; OUTPUT: 380 VAC; POWER SOURCE: 220 V DC; SUPPL P/N: 6R	0223070	EA	20		
221.	MODULE: TYPE: CARD CONVERTER DRIVE; APPLICATION: UPS; SUPPL P/N: 6RISKHH002A; REFERENCE NO: NF 12772	0253375	EA	20		
222.	MODULE: TYPE: IGBT; INPUT: 600 V 300 A; APPLICATION: UPS; SUPPL P/N: 6RICAP13767A; REFERENCE NO: NF 13767	0253374	EA	20		
223.	MODULE: TYPE: SYSTEM CARD; INPUT: 220 V; APPLICATION: UPS 30 KVA; SUPPL P/N: 6R_APTB2196A04A	0253372	EA	20		
224.	MODULE: TYPE: DISPLAY CARD; APPLICATION: UPS; SUPPL P/N: 6R_APTB062B01A	0253371	EA	20		
225.	MODULE: TYPE: CONTACTOR DRIVE CARD; APPLICATION: UPS; SUPPL P/N: 6R_AATB2073B01A; 100-800	0253369	EA	20		
226.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 400 V; DIMENSIONS: DIA 10 X LG 38 MM; TYPE: GG; CASE MATE	0253366	EA	100		
227.	MODULE: TYPE: SUPPORT NTC; APPLICATION: UPS; SUPPL P/N: 2409484	0253365	EA	20		
228.	MODULE: TYPE: CAPACITOR; OUTPUT: 350 VDC; APPLICATION: UPS; SUPPL P/N: 1528205; 4700 MFD	0253364	EA	20		
229.	MODULE: TYPE: INVERTER CONTROL DRIVE CARD; INPUT: 220 V; POWER SOURCE: 30 KVA; APPLICATION: UPS; SUPPL P/N: 6RICAERH008103A	0253361	EA	20		
230.	MODULE: TYPE: CONFIGURATION CARD; APPLICATION: UPS; SUPPL P/N: 6RICSKRH006A	0253360	EA	20		
231.	MODULE: TYPE: SLAVE CONVERTER CONTROL; APPLICATION: UPS 12F; SUPPL P/N: 6R_AATB2742C02C	0253362	EA	20		
232.	MODULE: TYPE: MASTER CONVERTER CONTROL CARD; INPUT: 220 V; APPLICATION: UPS; SUPPL P/N: 6R_AATB2742C03A	0253370	EA	20		
233.	DIODE: TYPE: RECTIFIER; POTENTIAL: 800 V; CURRENT: 260 A; CONNECTION: THD; SUPPL P/N: SKR130/08; POWER: PR=2W RC, PR=20W RP, D1, D2 DROPPING DIODE ASSEMBLY (6), M12 SW=24	0252722	EA	20		

234.	DIODE: TYPE: STUD SCREW; INDUSTRY STANDARD: SKN 130/08; POTENTIAL: 800 V; CURRENT: 130 A; MANUF P/N: SKN130/08	0130838	EA	200		
235.	MODULE: TYPE: BLEEDER CARD; INPUT: 24 VDC; OUTPUT: 24 VDC; POWER SOURCE: 24 V DC; SUPPL P/N: 6RICSKHH007A; 60-80K DC	0223064	EA	20		
236.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 500 V; CONNECTION TYPE: CLAMP; DIMENSIONS: DIA 10 X LG 38 MM; REFERENCE NO: X213598	0117414	EA	500		
237.	RECTIFIER: TYPE: BRIDGE; POTENTIAL: 24 VDC; CURRENT: 25 A; INDUSTRY STANDARD: KBPC25-10; REFERENCE NO: BRID010M; SPARE FOR 24V AT 600A UNIT BATTERY CHARGER (6V 024600A06)	0251984	EA	20		
238.	METER, ELECTRICAL: TYPE: AMP; RANGE: 0-800 A; READOUT: DIGITAL; STYLE: PANEL MOUNT FLUSH; SUPPL P/N: SP292A; CHARGER SPARES, 220V AT 730A	0238041	EA	20		
239.	FUSE, CARTRIDGE: CURRENT: 630 A; POTENTIAL: 500 V; SPECIFICATION: DIN NH3; REFERENCE NO: FUS1; TYPE LOAD, SPARE FOR 24 V, 24 VDC AT 600 A UNIT BATTERY CHARGER (6V024600A06)	0251978	EA	200		
240.	MODULE: TYPE: CARD, PHASING, TRANSFORMER; OUTPUT: 24 VDC 600 A; POWER SOURCE: 24 V; APPLICATION: BATTERY CHARGER; REFERENCE NO: 6V024 600A06; SP279LL	0251982	EA	20		
241.	MODULE: TYPE: LOGIC; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP131C; RACK STEERING	0245562	EA	15		
242.	MODULE: TYPE: PHASE CONTROL; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP131A	0245560	EA	20		
243.	MODULE, POWER SUPPLY: TYPE: UNIT; INPUT: 230 VAC; OUTPUT: 24 VDC 150 W; MANUF P/N: V24230-Z6-A1	0242284	EA	20		
244.	MODULE: TYPE: ANALOG; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP322	0245550	EA	20		
245.	MODULE: TYPE: DIGITAL UNIT; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP323; CARD 1	0245566	EA	20		
246.	MODULE: TYPE: DIGITAL UNIT; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP324; 19 INCH	0245567	EA	20		
247.	MODULE: TYPE: RELAY; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP277; CARD 2	0245545	EA	15		

CONTRACT TITLE: SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL SPARES ON AS AND WHEN BASIS FOR KRIEL POWER STATION FOR A PERIOD OF 5 YEARS

248.	HOSE, AIR: INSIDE DIAMETER: 13 MM; LENGTH: 800 MM; CONNECTION: COMPRESSION; MATERIAL: RUBBER; DRAWING NO: BBC AGT337884R3 REV 1; REFERENCE NO: 9001; COOLING; TYPE DR36-U-1750; FOR BBC GENERATOR AIR CIRCUIT BREAKER 18KV	0056857	EA	24		
249.	HEATER, IMMERSION: DIMENSIONS: DIA 550 MM X LG 2.62 M; POTENTIAL: 380 VAC; POWER: 427 KW; REFERENCE NO: SR 64895; PVN 400-6/198; PVN400-6- 198; COMPLETE WITHOUT MAIN CASING; AND ESKOM ORDER OPO 11960; SO3 AIR	0053821	EA	10		
250.	CONTACTOR: TYPE: BF50C; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 50 A; POLE: 3; ENCLOSURE RATING: IP20; CLASSIFICATION: NON- HAZARDOUS; SPECIFICATION: IEC 60947-4-1; CONTACT ARRANGEMENT: 3 NO 3 NC; MAXIMUM CURRENT RATING: 90 A; MANUF P/N: BF50 00	0724108	EA	15		
251.	FUSE, CARTRIDGE: CURRENT: 120 A; POTENTIAL: 690VAC/500VDC; CONNECTION TYPE: STUD; DIMENSIONS: LG 94 MM; TYPE: HIGH SPEED; CASE MATERIAL: CERAMIC; SPECIFICATION: BS 88; MANUF P/N: 120FEE	0666344	EA	115		
252.	FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 119 X THK 38 MM; POTENTIAL: 230 V AC; CURRENT: 0.11 A; VOLUME RATING: 0.28 M3/S; OEM P/N: 02526023; REFERENCE NO: 7855 ES	0614896	EA	15		
253.	MODULE, POWER SUPPLY: TYPE: UPS; INPUT: 600 V; OUTPUT: 400 V; OEM P/N: 6RICAP13767A	0598489	EA	20		
254.	MODULE: TYPE: PARALLEL CONTROL CARD; APPLICATION: UPS; SUPPL P/N: 6RICAERH018D	0253373	EA	20		
255.	MODULE: TYPE: TA INVERTER CARD; SUPPL P/N: 6RICSKHH008B	0659689	EA	20		
256.	FUSE: TYPE: CYLINDRICAL; CURRENT: 4 A; MATERIAL: CERAMIC; POTENTIAL: 500 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 10 X LG 38 MM; SUPPL P/N: 420004	0626273	EA	20		
257.	BOARD, PRINTED CIRCUIT: TYPE: 12 PULSE CONTROL; SUPPL P/N: PCA120- PCA7502040	0659686	EA	20		
258.	BOARD, PRINTED CIRCUIT: TYPE: 12 PULSE DRIVE; SUPPL P/N: PCA121- PCA7502041	0659688	EA	20		
259.	BOARD, PRINTED CIRCUIT: TYPE: AUXILLIARY AND FUSE SENSOR; SUPPL P/N: PCA122- PCA7502023	0659682	EA	20		
260.	FUSE: CURRENT: 6-710 A; MATERIAL: CU; POTENTIAL: 690 V; CONNECTION: BOLT; DIMENSIONS: DIA 17.1 X LG 77 MM; SPECIFICATION: IEC269; SUPPL P/N: FU150-63ET; FOR BATTERY CHARGER 110V	0659717	EA	500		
261.	FUSE: CURRENT: 3 A; MATERIAL: PORCELAIN; POTENTIAL: 100 V; CONNECTION: BOLT; DIMENSIONS: DIA 6.3 X LG 25.4 MM; SPECIFICATION: IEC269; SUPPL P/N: E100-A3; FOR BATTERY CHARGER 110V	0659719	EA	500		

262.	CAPACITOR: TYPE: BATTERY CHARGER; CAPACITANCE: 100 UF; POTENTIAL: 250 V; CREEPAGE: 10 MM; STYLE: CERAMIC DISC; TOLERANCE: +/-20PCT; SUPPL P/N: CAP100-AYXHR103X250DF1	0659715	EA	20		
263.	FAN, ELECTRIC: TYPE: BATTERY CHARGER; SIZE: SQ 120 X THK 38 MM; POTENTIAL: 230 VAC; CURRENT: 10 A; VOLUME RATING: 2.52-2.83 M3/MIN; SPEED: 3000 RPM; MATERIAL: DIECAST; SPECIFICATION: FAN100-4C 230HB; DIRECTION: CLOCKWISE; SUPPL P/N: 230V/BISONIC; HOUSING MATERIAL: AL; COLOR: BLACK; RATING: UL94V-D; POWER: 22/19W	0659212	EA	15		
264.	MODULE: TYPE: STANDBY; INPUT: 380 V; OUTPUT: 110 V 30 A; POWER SOURCE: 3.3 KW; APPLICATION: BATTERY	0598483	EA	20		
265.	FUSE: CURRENT: 250 A; MATERIAL: PORCELAIN; POTENTIAL: 690 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 17.1 X LG 77 MM; SPECIFICATION: IEC60269; SUPPL P/N: FU120-250FM; FOR BATTERY CHARGER 220V	0659704	EA	300		
266.	POWER SUPPLY: INPUT: 380 V; OUTPUT VOLTAGE: 24 V; OUTPUT CURRENT: 600 A; APPLICATION: DC ROOM; TYPE: CHARGER; MOUNTING: HORIZONTAL; SUPPL P/N: SP321; STATIC POWER	0598487	EA	20		
267.	MODULE, ELECTRONIC: TYPE: RABBIT (110 VDC); VOLTAGE: 110 VDC; MANUF P/N: USF120LX-RMC2200 (110 VDC);	0725143	EA	20		
268.	MODULE, ELECTRONIC: TYPE: RABBIT (220 VDC); VOLTAGE: 220 VDC; MANUF P/N: USF120LX-RMC2200 (220 VDC);	0725138	EA	20		
269.	BOARD, PRINTED CIRCUIT: TYPE: RELAY BOARD; SUPPL P/N: PCA123- PCA7502024	0659694	EA	20		
270.	MODULE: TYPE: ELECTRONIC CONTROL; INPUT: 12-24 VDC; OUTPUT: 2MA AT 12V; 4MA AT 24V; POWER SOURCE: 8-35 V; APPLICATION: DIESEL ENGINE SET OF C15 ENGINE FTH02082; DIMENSIONS: WD 70 X LG 340 X HT 250 MM; SUPPL P/N: 10R564-06/1075L100JL; CAT ECM C15 ENGINE	0668218	EA	20		
271.	MODULE: TYPE: GRAPHIC DISPLAY; INPUT: 12-24 VDC; OUTPUT: 5A AT 12V; 3.5A AT 24V; POWER SOURCE: 12-24 V DC; APPLICATION: DIESEL C15 ENGINE SET GENERATOR CONTROLLER; DIMENSIONS: WD 3.8 IN; SPECIFICATION: BS EN 60204-1; COMMERCIAL SIZE: 33X132 PIXEL; SUPPL P/N: EMCP4.1/4.2-CAT	0668219	EA	20		
272.	RELAY, TIME DELAY: OPERATION: 0-1 S; CONTACT ARRANGEMENT: 1NC 1NO; ACTION: SPST; CONTACT RATING: 250 V 8 A 2000 VA; COIL VOLTAGE: 250 V; TERMINAL: LEAD AXIAL; MOUNT: BASE 11PIN; CONTACT MATERIAL: COPPER; MEDIUM: ELECTRONIC; ENCLOSURE RATING: OPEN; SPECIFICATION: VDE 0435 PM20; SUPPL P/N: TELEPDM20; CONTROLS TO REDUCE THE STARTING CURRENT OF RESISTOR WITH 3 STAGE; 3 STAGE RESISTOR MILL BANK	0668061	EA	15		

273.	CHARGER, BATTERY: TYPE: INTELLIGENT; POWER SOURCE: 220 VAC; OUTPUT: 24 V 10 A; MOUNTING: BACK PLATE SUPPORTING BRACKET; CONNECTION: DIN PLUGS; SUPPL P/N: DSE9740MKII24V; CONNECTIONS: GROUND+NL WITH A 1.5 MM CONDUCTORS; MOUNTING DIMENSIONS: WD 70X LG 200X HT 130 MM; WEIGHT: 0.75 KG	0667186	EA	20		
274.	FG400-RPlug 3p3tr S1A-400A 400	237444	EA	15		
275.	EP100UC 2P 2A C /GE Redline	237486	EA	15		
276.	EP100UC 2P 6A C /GE Redline	237481	EA	15		
277.	G60 1P 10A C /GE Redline	237484	EA	50		
278.	G60 3P 10A C /GE Redline	237462	EA	50		
279.	G60 1P 16A C /GE Redline	237483	EA	50		
280.	G60 2P 16A C /GE Redline	237475	EA	50		
281.	G60 1P 6A C /GE Redline	237480	EA	50		
282.	G60 2P 2A C /GE Redline	237465	EA	50		
283.	G60 1P 20A C /GE Redline	237479	EA	50		
284.	G60 2P 20A C /GE Redline	237464	EA	50		
285.	G60 3P 20A C /GE Redline	237461	EA	50		
286.	G60 3P 25A C /GE Redline	237470	EA	50		
287.	G60 1P 32A C /GE Redline	237482	EA	50		
288.	G60 2P 32A C /GE Redline	237474	EA	50		
289.	G60 3P 32A C /GE Redline	237469	EA	50		
290.	G60 1P 40A C /GE Redline	237478	EA	50		
291.	BKR CIRC:240/415 VAC;40 A;3;MINIATURE	237460	EA	50		
292.	G60 1P 2A C /GE Redline	237485	EA	50		
293.	BKR CIRC:250 VAC;5 A;1;2.5 KA	119251	EA	50		

294.	BKR CIRC:250/380 VAC;4 A;1;STOTZ	119953	EA	50		
295.	BKR CIRC: GPS1MHAЕ : 500 V;50 A;3; 13kA MOTOR PROTECTION	237448	EA	15		
296.	MMS MAG.PROT. 1,6 HIGH BREAKING	237447	EA	15		
297.	BKR CIRC: GPS1MHAR: 400 VAC;32 A;3P	237456	EA	15		
298.	BKR CIRC:SF3-G3;415 VAC;5 A;3;5 KA	119266	EA	15		
299.	BKR CIRC:CF2G3;440 VAC;5 A;2;5 KA	119261	EA	15		
300.	FD160-Breaker-50kA FDN36TD100G	237405	EA	15		
301.	BKR CIRC:FEN36MC080JF: 500 V;12.5 A;3;MOTOR PROTECTION	237455	EA	15		
302.	BKR CIRC:430636FDN36TD125GD;500 V;125 A	237439	EA	15		
303.	KR CIRC:160A FEN36MC160JF: 500 V;160 A;3;MOTOR PROTECTION	237453	EA	15		
304.	FD160-Breaker-50kA FDN36TD160G	237438	EA	15		
305.	BKR CIRC: 200A FEN36MC200KF: 500 V;200 A;3;MOTOR PROTECTION	237450	EA	15		
306.	BKR CIRC:432979FEN36TD200KF;500 V;200 A	237437	EA	15		
307.	FE250-Breaker-50kA FEN36MC250K	237441	EA	15		
308.	FE250-Breaker-50kA FEN36TD250K	237404	EA	15		
309.	FG400-Breaker-50kA FGN36AA400L	237445	EA	15		
310.	BKR CIRC: GPS1MHAL : 500 V;50 A;3; 12.5kA MOTOR PROTECTION	237454	EA	15		
311.	BKR CIRC FDN36TD063ED:500 V;63 A;3;50 KA;TYPE: MCCB	237407	EA	15		
312.	FG630-RPlug 3p3tr S1A-630A 630	237442	EA	15		
313.	FG630-Breaker-50kA FGN36AA630N	237443	EA	15		
314.	BKR CIRC: GPS1MHAG MAGNETIC PROTECTION: 400 VAC;2.5kA;3P	237452	EA	15		
315.	BKR CIRC FDN36TD080GD:500 V;63 A;3;50 KA;TYPE: MCCB	237406	EA	15		

316.	BKR CIRC:FDN36TD016ED:500 VAC;16 A;3;50 KA; 160A TYPE: MCCB	237440	EA	15		
317.	COIL,TRIP HS/DC 110	129444	EA	25		
318.	COIL ELECT:110 VAC;CONTACTOR	130120	EA	25		
319.	COIL ELECT:110 VDC;CONTACTOR	129268	EA	25		
320.	COIL ELECT:AC1-10;120 VDC;CONTACTOR	130131	EA	25		
321.	COIL ELECT:CA1-100;220 VAC;CONTACTOR	130114	EA	25		
322.	COIL ELECT:3TY1-223-0Q;380 VAC;CONTACTOR	130127	EA	52		
323.	COIL ELECT:LX1D-09042;42 VAC;CONTACTOR	128969	EA	25		
324.	COIL ELECT:LX1FJ220;MAIN CONTACTOR	129329	EA	25		
325.	CONTACTOR:B16-30-10;220 VAC;28 A;2NO 2NC	127675	EA	25		
326.	CONTACTOR:TYPE 3TF4422-OAQO;380 V	142905	EA	25		
327.	CONTACTOR:LC1-D18S5;380 VAC;500 VAC;22 A	125763	EA	20		
328.	CONTACTOR:104213CL06A300MJ;380/500 VAC	237425	EA	25		
329.	CONTACTOR:104084CL01A310TN;380/500 VAC, 25A	237428	EA	20		
330.	CONTACTOR:104114CL02A310TN;380/500 VAC , 32A	237427	EA	20		
331.	CONTACTOR:104174CL04A310MN;380/500 VAC	237426	EA	20		
332.	CONTACTOR:CA5-550;480 VAC;110 VDC;3	127667	EA	20		
333.	CONTACTOR:3TF6844-OAMO,Control 660VAC	125807	EA	20		
334.	CONTACTOR:453-1069-5,Control 110VAC	127798	EA	20		
335.	CONTACTOR:CONTROL;220/660 VAC;110 VAC;8	125964	EA	20		
336.	CONTACTOR:CONTROL;220/660 VAC;220 VAC;3	142909	EA	20		
337.	CONTACTOR:CONTROL;230/660 VAC;110 VAC;4	128543	EA	20		
338.	CONTACTOR:KC22E22V;CONTROL;240 V;220 VDC	142403	EA	20		
339.	CONTACTOR:DIL-00L-22D;CONTROL;380 VAC	127779	EA	20		
340.	CONTACTOR:LC1-D25Q7;CONTROL;380 VAC;3	142448	EA	20		
341.	CONTACTOR:3RT1016-1AP01, 220VAC	125802	EA	20		

342.	CONTACTOR:112697CL25A310T3;CONTROL;3	237413	EA	20		
343.	CONTACTOR:CONTROL;380/440 VAC;25 A;3	226216	EA	20		
344.	CONTACTOR:112138CL07E300MJ;CONTROL;3P , 100A	237417	EA	20		
345.	CONTACTOR:104479CK85BE311N;CONTROL;3	237422	EA	20		
346.	CONTACTOR:104614CK95BE311N;CONTROL;3	237421	EA	20		
347.	CONTACTOR:133286CK10CE311N;CONTROL;3	237420	EA	20		
348.	CONTACTOR:112139CL07E300MN;CONTROL;3	237416	EA	20		
349.	CONTACTOR:112159CL09E300MN;CONTROL;3	237415	EA	20		
350.	CONTACTOR:112344CL25A310TN;CONTROL;3	237414	EA	20		
351.	CONTACTOR:112099CL04D310MN;CONTROL;3P , 60A	237418	EA	20		
352.	CONTACTOR:3RT1016-1BB41, 400VAC	611497	EA	20		
353.	CONTACTOR:CA2DN31B5;CONTROL;500 VAC;6 A	142508	EA	20		
354.	CONTACTOR:3RT1024-1AP00, 600VAC	125803	EA	20		
355.	CONTACTOR:100-B180NA3;CONTROL;600 VAC	142910	EA	20		
356.	CONTACTOR:S-N50;CONTROL;600 VAC;220 VAC	125783	EA	20		
357.	CONTACTOR:3TF5622-OAMO,Control 660VAC	126974	EA	20		
358.	CONTACTOR:CRANE;500 VAC;380 VAC;30 A;3	142907	EA	20		
359.	CONTACTOR:CRANE;600 VAC;380 VAC;80 A;3	142906	EA	20		
360.	CONTACTOR:IOR260220AMA;DC CONTROL;500 V	129474	EA	20		
361.	CONTACTOR:CLO7A311MN10424N;MAGNETIC;3	215467	EA	20		
362.	CONTACTOR:CLO9A311MN10428N;MAGNETIC;3	215468	EA	20		
363.	CONTACTOR:3RT1036-1AP00;MAIN;380 VAC	501002	EA	20		
364.	CONTACTOR:S-K20;MOTOR;280/440 VAC;250 A	125780	EA	20		
365.	CONTACTOR:TYPE: VC19-3E5- DF;MOTOR;400 A	127780	EA	20		
366.	CONTACTOR:LC1-D6511;MOTOR;380 VAC;80 A	142447	EA	20		
367.	CONTACTOR:LC1D5011M5;MOTOR;380/415 VAC	125760	EA	20		
368.	CONTACTOR:S-N35CX;MOTOR;380/440 VAC;3	125775	EA	20		

369.	CONTACTOR:CN1DB133;MOTOR;380/500 VAC;3	139068	EA	20		
370.	CONTACTOR:3TF4222-OAMO,Motor 220VAC	142921	EA	20		
371.	CONTACTOR:3RT1065-6AP36,Motor 400VAC	246504	EA	20		
372.	CONTACTOR:LC1-D8011-Q5;MOTOR;440/600 VAC	127810	EA	20		
373.	VACUUM CONTACTOR,TOYO-DINKI VC19-3E5-SS4	142496	EA	20		
374.	CONTACTOR:3TF4822-OAFO,Motor 600VAC	127789	EA	20		
375.	CONTACTOR:LC1F265;MOTOR;600 VAC;110 VDC	127712	EA	20		
376.	CONTACTOR:A110-30-11;MOTOR;600 VAC;3	127793	EA	20		
377.	CONTACTOR:EH100;MOTOR;600 VAC;220 VAC;3	130128	EA	20		
378.	CONTACTOR:LC1 F265;MOTOR;600 VAC;220 VAC	125759	EA	20		
379.	CONTACTOR:LC1F185;MOTOR;600 VAC;220 VAC	125770	EA	20		
380.	CONTACTOR:LC1FJ43M;MOTOR;600 VAC;220 VAC	125772	EA	20		
381.	CONTACTOR:3RT1065-6LA06,Motor 600VAC	142925	EA	20		
382.	CONTACTOR:TYPE 10B 250;MOTOR;600 VAC;3	125605	EA	20		
383.	CONTACTOR:LC2-D25-01-M5;MOTOR;600 VAC	125766	EA	20		
384.	CONTACTOR:LC1D4011M5;MOTOR;600 VAC;60 A	125774	EA	20		
385.	CONTACTOR:CA3-72-11;MOTOR;600 VAC;72 A	127795	EA	20		
386.	CONTACTOR:3TB4222-0FA,Motor 600VAC	142914	EA	20		
387.	CONTACTOR:S-N80;MOTOR;660 VAC;220 VAC;3	142494	EA	20		
388.	CONTACTOR:S-N220;MOTOR;660 VAC;220 VAC	142495	EA	20		
389.	CONTACTOR:V7-ZC;SACE VACUUM;3.3/6.6 KV	183945	EA	20		
390.	COOLER: TYPE: INDOOR AIRCONDITIONER; DIMENSIONS: 443 X 324 X 206 MM; RATING: 400 KW; OEM P/N: CVE40002208000; PANEL MOUNT; FOR 503 PANELS U1-6; COOLING CAPACITY: 360-5600 W ELECTRONIC BOARD XCB + DISPLAY; FOR WALL AND DOOR MOUNTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	0692781	EA	20		
391.	DEVICE: TYPE: UNICORN 17 IN; APPLICATION: KEYBOARD AND MOUSE WITH KVM SWITCHES; MODEL NO: 8D IP/16D IP; SINGLE RAIL DEIGN, POWER CONSUMPTION: 9.91 W; KEYBOARD/MOUSE: 106 KEY PS/2 WITH TOUCH PAD; COMBO FREE KVM SWITCH WITH IP MODULE AS SECOND CONSOLE; DIMENSIONS: WD468.9 X LG482.0 X HT440 MM;	0712152	EA	15		

	GROSS WEIGHT: 20.5 KG					
392.	FAN, ELECTRIC: TYPE: AXIAL COOLING; POTENTIAL: 380 V; CURRENT: 45 A; REFERENCE NO: HB67/2N; 3PH, SO3 AIR BLOWER; BAU WITH LOOSE IMPELLER AND WITH PEDESTAL; WITHOUT A MOTOR	0040196	EA	10		
393.	KIT CONTCT:OUTDOOR;FOR MAIN CONTACTOR	142445	EA	15		
394.	KIT CONTCT:CA1480;REPAIR CONTACTOR;3	139039	EA	15		
395.	KIT CONTCT:CN1-FC-133;REPAIR CONTACTOR;3	137992	EA	15		
396.	LIGHT, INDICATING: TYPE: LED; POTENTIAL: 24 VAC/DC TO 220 VAC; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: 152611P9XLD52611; PILOT	237503	EA	200		
397.	NS4_FUSE LINK	237492	EA	15		
398.	NS6_FUSE LINK	237496	EA	15		
399.	OS100A_FUSE LINK	237509	EA	151		
400.	TFP200A_FUSE LINK	237500	EA	5		
401.	TIA2A_FUSE LINK	237499	EA	15		
402.	TIA32A_FUSE LINK	237508	EA	15		
403.	TIA4A_FUSE LINK	237498	EA	15		
404.	MECHANISM,LATCH C/W COIL CONTACT CA1-250 – 110VDC Coil	142967	EA	20		
405.	MODULE, COMMUNICATION: TYPE: NETWORK; OUTPUT: 24 VDC; SPECIFICATION: EN 60068-2-6; OEM P/N: CX5020-0111; DIMENSION: WD 100MM X HT 106MM X DPT 92MM; PROGRAMMABLE LOGIC CONTROL (PLC); CPU MODULE 1.6GHZ	0647198	EA	25		
406.	MODULE, POWER SUPPLY: TYPE: REDUNDANCY; SUPPL P/N: DR-RDN20-20A	0645663	EA	20		
407.	MODULE: TYPE: 8 CHANNEL DIGITAL INPUT; INPUT: 3 MA; POWER SOURCE: 24 (-15%/+20%) V DC; APPLICATION: NETWORK; DIMENSIONS: WD12MM X LG68MM X TH100MM; SPECIFICATION: EN 61131-2 (TYPE 1/3); COMMERCIAL SIZE: 55 G; OEM P/N: EL1008	0711789	EA	15		

408.	MODULE: TYPE: 8 CHANNEL DIGITAL OUTPUT; OUTPUT: 8 TERMINALS; POWER SOURCE: 24 (-15%/+20%) V DC; APPLICATION: NETWORK; DIMENSIONS: WD12MM X HT100MM X THK68MM; SPECIFICATION: EN60068-2-6/EN 60068- 2-27 VIBRATION; EN61000-6-2/EN 61000-6-4 EMC IMMUNITY; COMMERCIAL SIZE: 55 G; OEM P/N: EL2008; ETHERCAT TERMINAL; 0.5A	0711791	EA	15		
409.	MODULE: TYPE: DUAL DIGITAL; INPUT: 110 V 1 A; OUTPUT: 4-20 MA; POWER SOURCE: 220 VAC 50 HZ; SUPPL P/N: RS485; DTS305; MODEL NO: DTS-DIL-01; REFERENCE NO: DTS3052009090005; INCLUDING 2 X TRANSDUCERS AND 4 X ANALOGUE OUTPUTS AND SOFTWARE COMMUNICATION INTERFACE	0233347	EA	15		
410.	MODULE: TYPE: ETHERNET COUPLER; INPUT: 24 VDC; OUTPUT: 24 VDC; SUPPL P/N: EK1100	0595013	EA	15		
411.	MODULE: TYPE: PLC BUS EXTENDER; APPLICATION: ETHERCAT EXTENSION; SUPPL P/N: EK1110	0645225	EA	15		
412.	BOX,SPREC/SCHUH CONTACTOR CA1-25	142913	EA	15		
413.	POWER SUPPLY: INPUT: 24VDC 70MA; OUTPUT VOLTAGE: 5 V; OUTPUT CURRENT: 2 A; DIMENSIONS: WD 10.5 X LG 100 X HT 70 MM; TYPE: TERMINAL; MOUNTING: PE CONTACT; SPECIFICATION: EL9410 BECKHOFF	0645661	EA	15		
414.	POWER SUPPLY: INPUT: 85-264 VDC; OUTPUT VOLTAGE: 12 VDC; OUTPUT CURRENT: 7.5 A; DIMENSIONS: WD55MM X HT100MM X ID90MM; CLASSIFICATION: - 10 TO +60 DEG C; TYPE: SWITCH MODE; MOUNTING: DIN- RAIL; SPECIFICATION: ROHS COMPLIANT, TUV EN60950-1, UL 508; OEM P/N: MDR-100-12	0711793	EA	15		
415.	POWER SUPPLY: OUTPUT VOLTAGE: 24 VDC; OUTPUT CURRENT: 20 A; SUPPL P/N: SDR-480-24	0645662	EA	25		
416.	RACK, ELECTRONIC: TYPE: SAM-KR-SVR021; SLOT QUANTITY: 14; DIMENSIONS: HT150 X WD85 X LG190 MM; VOLTAGE: 90-264 V; CURRENT: 8 A; MOUNTING METHOD: CHASSIS; SPECIFICATION: CE/FCC; STANDARD: 240-62581162- EMDAS; 2 X EXTERNAL RS-232, 6X INTERNAL RS-232 2X20 PIN P=2.54, 1X INTERNAL RS-422/485 1X4 PIN P=2.0, 2X EXTERNAL USB 2.0, 2X INTERNAL USB 3.2 GEN1X1, 1XPS/2 1XLPT 2X13PIN P2.54	0712153	EA	20		
417.	RELAY CTRL:CAD32M7;10 A;3NO 1NC;220 VAC	126404	EA	20		
418.	Thermal overload relay	237526	EA	24		
419.	Thermal overload relay	237504	EA	30		
420.	Thermal overload relay	237520	EA	30		
421.	Thermal overload relay	237525	EA	30		

422.	Thermal overload relay	237515	EA	30		
423.	Thermal overload relay	237532	EA	30		
424.	Thermal overload relay	237505	EA	30		
425.	Thermal overload relay	237514	EA	30		
426.	Thermal overload relay	237518	EA	30		
427.	Thermal overload relay	237530	EA	30		
428.	Thermal overload relay	237527	EA	30		
429.	Thermal overload relay	237517	EA	30		
430.	Thermal overload relay	237529	EA	30		
431.	Thermal overload relay	237521	EA	30		
432.	Thermal overload relay	237516	EA	30		
433.	RELAY 2NO 2NC AC COIL220/240V L-PWR	237513	EA	30		
434.	SWITCHGEAR:REVERSING CONTACTOR;24 V;16 A	580389	EA	30		
435.	SWITCHGEAR:REVERSING CONTACTOR;24 V;9 A	580390	EA	30		
436.	THYRISTOR: TYPE: CONTROL; CURRENT: 600 A; POTENTIAL: 380 V; POWER: 420 KW; MOUNT: SCREW; MANUF P/N: 60000 1537; O-RINGS SEALS; ON THE PRIMARY COOLERS	0528003	EA	30		
437.	CT:INSTRUMENT;220 V	0134452	EA	25		
438.	CT:INSTRUMENT;600 V;1:1;PRIMARY	0238465	EA	25		
439.	CT:INSTRUMENT;600 V;10:1;PRIMARY	0238474	EA	25		
440.	CT:INSTRUMENT;600 V;125:1;SMALL RING	0238478	EA	25		
441.	CT:INSTRUMENT;600 V;2:1;PRIMARY	0238472	EA	25		
442.	CT:INSTRUMENT;600 V;20:1;PRIMARY	0238475	EA	25		
443.	Current Transformer Metering 2000/1A	238453	EA	25		
444.	CT:INSTRUMENT;600 V;25:1;PRIMARY	0238468	EA	25		
445.	CT:INSTRUMENT;600 V;250:1;SMALL RING	0238437	EA	25		

446.	CT:INSTRUMENT;600 V;40:1;PRIMARY	0238477	EA	25		
447.	Current Transformer Metering 400/1A	238458	EA	25		
448.	CT:INSTRUMENT;600 V;5:1;PRIMARY	0238473	EA	25		
449.	CT:INSTRUMENT;600 V;50:1;PRIMARY	0238469	EA	25		
450.	CT:INSTRUMENT;600 V;75:1;SMALL RING	0238441	EA	25		
451.	Current Transformer 7.5/1A Primary Wound	238466	EA	25		
452.	Current Transformer Small Ring 100 / 1A	238443	EA	25		
453.	Current Transformer Small Ring 150 / 1A	238470	EA	25		
454.	CT:INSTRUMENT;PRIM 420 V; SEC 1.425 KV	0130101	EA	25		
455.	WIRE ELECT:INSTRUMENT;0.2 MM2;BLUE;CU	0144776	EA	10		
456.	WIRE ELECT:INSTRUMENT;0.2 MM2;YELLOW	0144781	EA	10		
457.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 250 A; INDUSTRY SIZE: 110 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 175-280 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL85C	0725530	EA	10		
458.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 125 A; INDUSTRY SIZE: 45 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 90-110 V; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CK85A	0725693	EA	10		
459.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 80 A; INDUSTRY SIZE: 30 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 NO; POLES: 3; OVERLOAD RANGE: 54-65 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL95A	0725692	EA	10		

460.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 125 A; INDUSTRY SIZE: 55 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 90-110 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL85B	0725532	EA	10		
461.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 25 A; INDUSTRY SIZE: 11 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 21-26 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL25A300M	0726241	EA	10		
462.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 50 A; INDUSTRY SIZE: 22 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 NO; POLES: 3; OVERLOAD RANGE: 42-55 A AC; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL06A300T1	0726240	EA	10		
463.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 4 A; INDUSTRY SIZE: 1.1 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 VAC; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 2.5-4; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: LVD1/GPD/DO	0723412	EA	10		
464.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 80 A; INDUSTRY SIZE: 26 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 42-55 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL09A	0723413	EA	10		
465.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 20 A; INDUSTRY SIZE: 7.5 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 17.5-22 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; OEM P/N: CL25A	0723389	EA	10		

466.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 50 A; INDUSTRY SIZE: 15 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 VAC; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 30 - 45 A; CONNECTION: WITHDRAWABLE UNIT; MANUF P/N: CL06A	0723414	EA	10		
467.	CONVERTER: TYPE: DIP PROOF INVERTER; INPUT: 230 V; OUTPUT: 230 V; SPECIFICATION: SEMI F47; RATING: 5.75 KVA; MANUF P/N: 5003-144; MODEL NO: DPI54; NOMINAL CURRENT: 25 A; STORAGE CAPACITOR: 30 MF; MAXIMUM RECOVERY TIME: 1 SEC	0714902	EA	30		
468.	KIT: TYPE: VD4 CB MOTOR; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339750R8918; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, FOR CONVERSION IN MOTOR OPERATOR SUPPLY VOLTAGE 220VDC EL	0239735	EA	40		
469.	KIT: TYPE: VD4 CB SHUNT OPENING RELEASE; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R2909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239737		40		
470.	KIT: TYPE: VD4 CB SHUNT CLOSING RELEASE MC; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R6909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239739	EA	40		
471.	KIT: TYPE: VD4 CB MICRO SWITCH; APPLICATION: SERVICE BOARDS A/C 3.3 KV; REFERENCE NO: 1VBI036449P0100; WITH ROLL	0239745	EA	35		
472.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 250 V; POWER: 400 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: HF400PD; REFERENCE NO: HP/T; GES MOGUL SCREW BASE; 46 DIAMETER X 313MM LONG, GES CAP	146254	EA	2500		
473.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 25 W; POTENTIAL: 240-250 V; BASE: SINGLE CONTACT; COLOR: CLEAR; BULB: 4C CANDELABRA; TUBULAR, 25 X 221MM, 30WATT, 2 SINGLE CONTACT BASE 2XS15	146196	EA	1000		

474.	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: BACK/DIN RAIL; TYPE: HIGH BREAKING CAPACITY; POLES: 3; CURRENT RATING: 4 A; VOLTAGE PROTECTION LEVEL: 400 V; RATED INSULATION VOLTAGE: 400 V; IMPULSE WITHSTAND VOLTAGE: 8; SHORT TIME CURRENT: 4 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 52 KA; POLLUTION CLASS: 3 DEG; SPECIFICATION: GPSIM; APPLICATION: MANUAL MOTOR STATER; PROTECTION: MOTOR; SUPPL P/N: 101287GPS1MHAH; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD	0237459	EA	15		
475.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 2 KA; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406189MS31W20-A	0237409	EA	15		
476.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 400 A; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406177MS31W04-A; TYPE MPACT AIR	0237403	EA	15		
477.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 630 A; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406179MS31W06-A; TYPE MPACT AIR	0237436	EA	15		
478.	FUSE: TYPE: LV HRC ELEMENT; CURRENT: 630 A; POTENTIAL: 500 VAC 440 VDC; CONNECTION: BLADE CONTACTS SILVER PLATED; DIMENSIONS: WD 70 X DP 81.5 X HT 147.4 MM; SPECIFICATION: IEC 61346-2; IEC 81346-2; IEC 60269-1; SUPPL P/N: 630NH3B; 3NA3372; SIZE: NH3; OPERATING CLASS = GG; SWITCHING CAPACITY CURENT = 25KA (DC) AND 120KA (AC) POWER LOSS = 45W; TRIPPING RESIDUAL @ CEL = 595.5A	0675749	EA	200		
479.	TRANSDUCER: TYPE: CURRENT; INPUT: 1 A; OUTPUT: 4-20 MA; POWER SOURCE: 220 VAC; SUPPL P/N: KA1-A1-A4M-C5-2	0238462	EA	25		
480.	TRANSDUCER: TYPE: CURRENT; INPUT: 50 MV; OUTPUT: 4-20 MA; POWER SOURCE: 110 VDC; SUPPL P/N: KZ1-V50M-A4M-C5-4	0238463	EA	25		

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Purchaser's</i> Goods Information	
C3.2	<i>Supplier's</i> Goods Information	
	Total number of pages	

C3.1: *PURCHASER'S* GOODS INFORMATION

Contents

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1 Overview and purpose of the *goods and services*

Provide an overview as an aide to the tendering supplier summarising the nature and purpose of the *goods* and the associated *services* (if any), together with some details about the supply requirements.

2 Specification and description of the *goods*

Item No	Description	Stock No.	Unit	Qty
1.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 29 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; SUPPL P/N: BS88-1	117228	EA	75
2.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FSF034-1516, UNK	117279	EA	112
3.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 30 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; 6 X 32	117282	EA	75
4.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: F3A250V, UNK	117287	EA	300
5.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.4 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FUJI3A, UNK	117288	EA	75
6.	FUSE, CARTRIDGE: CURRENT: 0.5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: INDICATING; CASE	117347	EA	75
7.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 25 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC	117351	EA	375
8.	FUSE, CARTRIDGE: CURRENT: 2.5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 4 X LG 16 MM; TYPE: INDICATING; CASE MATERIAL: GLASS; 5 X 20MM LONG	117355	EA	375
9.	FUSE, CARTRIDGE: CURRENT: 5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: FB5, UNK	117356	EA	180
10.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS	117358	EA	75

11.	FUSE, CARTRIDGE: CURRENT: 500 A; POTENTIAL: 240-550 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 38 X LG 83.9 X HT 82.6 MM; TYPE: DUAL BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 500LMMT; SEMI-CONDUCTOR, ONLY THIS TYPE FOR THYRISTOR PROTECTION ON 24 VOLT DC BATTERY CHARGER	117382	EA	75
12.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 27.3 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 3NA1218, UNK; SUPPL P/N: 5SB331 KA; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 32MJ29-4; WITH 76MM FIXING CENTERS FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 415 V; CONNECTION TYPE: SLOTTED; DIMENSIONS: DIA 30 X LG 100 MM; INTERRUPT CAPACITY: 80	117384	EA	75
13.	FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 1 KVAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 54 X LG 59 X HT 74 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: G2UF1K, UNK	117700	EA	75
14.	FUSE, CARTRIDGE: CURRENT: 450 A; POTENTIAL: 1 KVAC/600 VDC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: SQ 60 X HT 60 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC	117901	EA	75
15.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET; DIMENSIONS: DIA 22 X LG 45 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: TIA20, UNK	117962	EA	75
16.	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 38 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: DF2-CA02, UNK; TYPE 133 02	117963	EA	75
17.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 660 V; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 28 X LG 50 X THK 40 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: UR-400A; MAIN, 00/80, SPARES FOR 160KW DRIVES INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: UR-400A; MAIN, 00/80, SPARES FOR 160KW DRIVES FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 660 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: INDICATING; CASE	117964	EA	75
18.	FUSE, CARTRIDGE: CURRENT: 20 A; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 127 MM; TYPE: INDICATING; CASE MATERIAL: PORCELAIN; REFERENCE NO: HETT401449P2, UNK; FOR NEW AVR UNITROL P	118101	EA	75
19.	FUSE, CARTRIDGE: CURRENT: 150 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 15.8 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; 15MM LONG	118133	EA	75
20.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 550 VAC; CONNECTION TYPE: SCREW CLAMP CENTER TAGS; DIMENSIONS: DIA 26.2 X LG 128.7 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: TBC20	118155	EA	75

21.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; MODEL NO: 621 CP URE 22 63, UNK; SUPPL P/N: T094823	118170	EA	75
22.	FUSE, CARTRIDGE: CURRENT: 750 A; POTENTIAL: 550-660 VAC; CONNECTION TYPE: SCREW CLAMP CENTER TAGS; DIMENSIONS: DIA 82.5 X LG 209.6 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC	118184	EA	75
23.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 300-600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 17037	118201	EA	75
24.	FUSE, CARTRIDGE: POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 50 MM; INTERRUPT CAPACITY: 200 KA; TYPE: INDICATING SIGNAL; CASE MATERIAL: CERAMIC; RMS, ACTUATOR	118207	EA	75
25.	FUSE, CARTRIDGE: CURRENT: 25 A; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; TYPE 3AG	118255	EA	75
26.	FUSE, CARTRIDGE: CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 60 MM; TYPE: TRIP INDICATING; CASE MATERIAL: CERAMIC; 62MM LONG	118265	EA	75
27.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 240 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET TAGS; DIMENSIONS: DIA 17 X LG 55 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC	118272	EA	180
28.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: WD 35 X LG 79 X HT 20 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 3NA1017, UNK	118301	EA	75
29.	FUSE, CARTRIDGE: CURRENT: 3 A; POTENTIAL: 24 KVAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 24 X LG 353 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; REFERENCE NO: ABGNA, UNK	118315	EA	75
30.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SA121; DIAZED	118318	EA	75
31.	FUSE, CARTRIDGE: CURRENT: 16 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 10 X LG 36.5 MM; TYPE: BOTTLE INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SE2016; NEOZED	118327	EA	75
32.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 14 X LG 51 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 50 058 06, UNK; 600-CP-URE-1425, UNK; CYLINDRICAL, WITHOUT TRIP INDICATOR	118334	EA	75
33.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 500-600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: CERAMIC; WITH STRIKER PIN, TUBULAR, CP/CF	118337	EA	75

34.	FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 550 VAC; CONNECTION TYPE: LUG; DIMENSIONS: DIA 20 X LG 45 MM; TYPE: DUAL ELEMENT; CASE MATERIAL: CERAMIC; REFERENCE NO: HSK40, UNK	118343	EA	75
35.	FUSE, CARTRIDGE: CURRENT: 150 A; POTENTIAL: 380 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 20 X LG 45 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: HB0150, UNK	118356	EA	75
36.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 240 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 38 X LG 82.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; REFERENCE NO: 400LMMT, UNK; GSA400, UNK; SEMICONDUCTOR THYRISTOR	118370	EA	75
37.	FUSE, CARTRIDGE: CURRENT: 400 A; POTENTIAL: 600 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: WD 34.6 X LG 106.4 X HT 77.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC	118375	EA	75
38.	FUSE, CARTRIDGE: CURRENT: 6 A; POTENTIAL: 400 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 28 X LG 134 MM; TYPE: FAST BLOW; CASE MATERIAL: FIBER; PROTISTOR	118380	EA	75
39.	FUSE, CARTRIDGE: CURRENT: 160 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: TIME DELAY; CASE MATERIAL: GLASS; TIMELAG	118432	EA	75
40.	FUSE, CARTRIDGE: CURRENT: 800 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW INDICATING; CASE MATERIAL: GLASS; REFERENCE NO: F0- 8-250C, UNK; WHITE DOT INDICATOR	118435	EA	75
41.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 25 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: M4-250G, UNK; COLOURED BEAD EXTENDS FROM ONE END	118438	EA	112
42.	FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 600 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: SLO BLO; CASE MATERIAL: CERAMIC; CURRENT LIMITING; TYPE GL, FOR 50 VOLT BATTERY CHARGER DC BOARD AB390	118448	EA	75
43.	FUSE, CARTRIDGE: CURRENT: 250 A; POTENTIAL: 350 VAC; CONNECTION TYPE: LUG AXIAL OFFSET SCREW CLAMP; DIMENSIONS: DIA 38.1 X LG 82.6 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; HIGH SPEED INSTANTANEOUS OPERATION, 10.5MM SLOT, 57.2MM MTG CENTERS, ONE TIME, NON INDICATING	118453	EA	75
44.	FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 3.3-3.6 KVAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 76.3 X LG 254.5 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: WKFH5, UNK; HRC LEL, COMPLETE WITH STRIKER PIN, FOR REYROLL BREAKERS	118454	EA	75
45.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 600 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 21.64 X LG 111 MM; TYPE: FAST BLOW; CASE MATERIAL: FIBER; SUPPL P/N: A60X50/TYPE4; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118496	EA	75

46.	FUSE, CARTRIDGE: CURRENT: 560 A; POTENTIAL: 550 V; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 75.5 X LG 207 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: TTM560	118518	EA	75
47.	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 27.2 X LG 50.6 MM; TYPE: BOTTLE INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SB32, UNK; HRC, ORIGINAL DIAZES	118520	EA	112
48.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13.6 X LG 50.2 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SA281; ORIGINAL DIAZED	118689	EA	75
49.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 660 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 58 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; TUBULAR, FORM 4	118693	EA	75
50.	FUSE, CARTRIDGE: CURRENT: 40 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 26 X LG 100 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: JH40; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118694	EA	75
51.	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; HIGH SPEED, OG, FOR DIGITAL AVO METER	118698	EA	75
52.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 21 X LG 51 MM; TYPE: INDICATING BOTTLE; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SA171, UNK	118699	EA	75
53.	FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 500 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 13 X LG 50 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: 5SA151, UNK	118701	EA	75
54.	FUSE, CARTRIDGE: CURRENT: 125 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-201, UNK	118707	EA	75
55.	FUSE, CARTRIDGE: CURRENT: 125 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-001, UNK	118708	EA	75
56.	FUSE, CARTRIDGE: CURRENT: 3.75 MA; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417807-003, UNK	118709	EA	75
57.	FUSE, CARTRIDGE: CURRENT: 750 A; CONNECTION TYPE: SOLDER; DIMENSIONS: DIA 2 X LG 7 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417087-005, UNK	118710	EA	75
58.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 32 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; REFERENCE NO: 311010, UNK	118714	EA	112

59.	FUSE, CARTRIDGE: CURRENT: 750 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS	118725	EA	75
60.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 30-750 V; CONNECTION TYPE: SCREW IN; DIMENSIONS: DIA 27.7 X LG 75.2 MM; TYPE: INDICATING; CASE MATERIAL: FIBER; OEM P/N: B42.26900-0019, MANUFACTURER: GE STEAM POWER SERVICE; DRAWING NO: 2690-084 REV 0; PROTISTOR	118726	EA	75
61.	FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 14 X LG 85 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; SUPPL P/N: GTIA20; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	118727	EA	75
62.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 125 VAC; CONNECTION TYPE: WIRE LEAD; DIMENSIONS: DIA 5 X LG 8 MM; CASE MATERIAL: METAL; REFERENCE NO: 432A, UNK	118730	EA	75
63.	FUSE, CARTRIDGE: CURRENT: 15 A; POTENTIAL: 415 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 55 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; TUBULAR	118731	EA	75
64.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: GLASS; REFERENCE NO: L693, UNK; TUBULAR	118732	EA	75
65.	FUSE, CARTRIDGE: CURRENT: 150 A; POTENTIAL: 240-450 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET; DIMENSIONS: DIA 34.5 X LG 32 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; EE, GSA, RMS	118734	EA	75
66.	FUSE, CARTRIDGE: CURRENT: 1 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 32 MM; TYPE: SLO BLOW; CASE MATERIAL: GLASS; SB	118736	EA	75
67.	FUSE, CARTRIDGE: CURRENT: 1.6 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6 X LG 32 MM; TYPE: SLO BLOW; CASE MATERIAL: GLASS; REFERENCE NO: K9774741-P21, UNK	118737	EA	75
68.	FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 125 VDC; CONNECTION TYPE: WIRE LEAD AXIAL; DIMENSIONS: DIA 2 X LG 81 MM; TYPE: PICO; CASE MATERIAL: CERAMIC; REFERENCE NO: 44A417087-113, UNK; CURRENT LIMITING	118738	EA	75
69.	LENS: TYPE: FUSE BASE; DIMENSIONS: DIA 35.1 X LG 30 MM; MATERIAL: PORCELAIN; WITH CAP SCREW	118713	EA	112
70.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: YELLOW; TERMINAL: SOLDER; REFERENCE NO: 01-132, UNK; COMPLETE WITH 24VOLT LAMP AND LENS, 18MM X 24MM, PRESET BUTTON	137107	EA	112
71.	LENS, PUSHBUTTON: REFERENCE NO: 02-222-011, UNK; CH4600, UNK; COMPLETE WITH LENS; OLTEN; 300 VAC; LAMP 60V/1.2W	139076	EA	112

72.	LENS, INDICATING LIGHT: COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME; FOR TELEMECANIQUE INDICATOR TYPE XB2MV104	145944	EA	75
73.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME; REFERENCE NO: XB2MV, UNK; FOR TELEMECANIQUE TYPE XB2MV104	145945	EA	75
74.	LENS, INDICATING LIGHT: COLOR: BLUE; MATERIAL: PLASTIC; SHAPE: FLAT; REFERENCE NO: 297-95, UNK	145947	EA	75
75.	LENS, PUSHBUTTON: COLOR: RED; MATERIAL: PLASTIC; DIMENSIONS: SQ 13.8 MM; REFERENCE NO: 01-151, UNK; FOR OLTEN PUSH BUTTON	145948	EA	75
76.	LENS, INDICATING LIGHT: DIMENSIONS: 24 X 18 MM; COLOR: RED; MATERIAL: PLASTIC; SHAPE: RECT; FOR EAD SIGNAL LAMP	145951	EA	75
77.	LENS, INDICATING LIGHT: TYPE: PILOT; COLOR: CLEAR; MATERIAL: PLASTIC; SHAPE: FLAT	145952	EA	75
78.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: GRUN/GUL 260; OVERLOAD	145955	EA	75
79.	LIGHT, INDICATING: TYPE: PILOT; COLOR: WHITE; TERMINAL: SCREW; REFERENCE NO: 01-052, UNK; PUSH-ON, PUSH BUTTON, FLUSH MOUNTED, PANEL CUT-OUT 15MM DIAMETER, FACE 18 X 18 SQUARE, LENS SIZE 12 X 12MM	145959	EA	75
80.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 60 V; POWER: 1.2 W; COLOR: GREEN; TERMINAL: SOLDER; REFERENCE NO: 01-050, UNK; PUSH-ON, PUSH BUTTON, FLUSH MOUNTED PANEL, CUT-OUT 15MM DIAMETER, FACE 18 X 18 SQUARE, LENS SIZE 12 X 12MM	145960	EA	75
81.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME	145961	EA	75
82.	LENS: TYPE: INSPECTION; DIMENSIONS: DIA 180 X THK 6 MM; MATERIAL: PLEXIGLASS; PERSPEX; FOR 18KV TRUNKING	146026	EA	75
83.	LENS, PUSHBUTTON: COLOR: RED; MATERIAL: PLASTIC; DIMENSIONS: WD 12.9 X LG 18.8 MM; FOR INDICATOR APPARATE BAU TYPE 01-040	146028	EA	75
84.	LENS, PUSHBUTTON: COLOR: WHITE; MATERIAL: PLASTIC; DIMENSIONS: WD 12.8 X LG 18.8 MM; SUPPL P/N: 01-901.9; FOR ELEKTRO- APPARATEBAU OLTEN AG INDICATOR TYPE 01-040	146030	EA	75
85.	LAMP, INCANDESCENT: TYPE: APPLIANCE; POWER: 6 W; POTENTIAL: 120 VAC; BASE: E12; COLOR: CLEAR; INDICATOR, SIZE 18MM X 52MM	146205	EA	112
86.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 60 V; BASE: E10; COLOR: CLEAR; TUBULAR, 30MM LONG X 6MM DIA	146207	EA	112
87.	LAMP, FLUORESCENT: POWER: 8 W; POTENTIAL: 220 V; BASE: MINIATURE BI PIN; COLOR: WHITE COOL DAYLIGHT; LENGTH: 300 MM; BULB: T5; RAPID START BALLAST REQUIRED FOR OPERATING	146217	EA	75
88.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 60 W; POTENTIAL: 220-250 V; BASE: B22D; COLOR: GREEN; REFERENCE NO: 60WBCGREEN, UNK; DOUBLE CONTACT BAYONET	146241	EA	150

89.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 60 W; POTENTIAL: 220-250 V; BASE: B22D; COLOR: YELLOW; REFERENCE NO: 60WBCYELLOW, UNK; DOUBLE CONTACT BAYONET	146242	EA	112
90.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 4 W; POTENTIAL: 30 V; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET, 16X35	146244	EA	75
91.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 24 V; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT, SMALL BAYONET BASE, 16X35	146246	EA	75
92.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 24 V; BASE: E10; COLOR: CLEAR; SUPPL P/N: EQ2242; 80MA, 10X28, MINIATURE SCREW	146247	EA	75
93.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 1 W; POTENTIAL: 24 V; BASE: SINGLE CONTACT MINIATURE SCREW; COLOR: CLEAR; BULB: E5	146271	EA	75
94.	LAMP, INCANDESCENT: TYPE: DOMESTIC; POWER: 25 W; POTENTIAL: 25 V; BASE: BA22D; COLOR: CLEAR; 56X100, DOUBLE CONTACT BAYONET	146274	EA	150
95.	LAMP, INCANDESCENT: TYPE: SIGNAL; POWER: 2 W; POTENTIAL: 60 V; BASE: BA95; COLOR: CLEAR; BAYONET, 9MM DIA X 22MM LONG	146284	EA	75
96.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 24 V; BASE: BA9S; COLOR: CLEAR; SMALL, SINGLE CONTACT, 15X28, MINIATURE BAYONET	146285	EA	75
97.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 12 V; BASE: SBC; COLOR: CLEAR; BULB: NE51; REFERENCE NO: 603, UNK; 603 12V/SC, UNK	146293	EA	75
98.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220 V; POWER: 70 W; BASE: E27; COLOR: FROSTED INSIDE; REFERENCE NO: NAVE, UNK; SUPPL P/N: NAVE70W; BASE SCREW TERMINAL; ELIPTICAL SHAPE; WITH INTERNAL STRIKER	146374	EA	300
99.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2 W; POTENTIAL: 24 V; BASE: BA95; COLOR: RED; REFERENCE NO: BA95, UNK; 80MA, MINITURE BAYONET, SIZE 10MM DIA X 25MM LONG	146534	EA	75
100.	LAMP, INCANDESCENT: TYPE: XENON FLASHLIGHT; POWER: 3.6 W; POTENTIAL: 7.2 V; BASE: MINIATURE FLANGE; COLOR: CLEAR; BULB: PR118; 0.75 AMP.	146535	EA	6000
101.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 6-10 W; POTENTIAL: 110-140 V; BASE: E14; SIZE 54MM OVERALL LENGTH X 16MM BULB DIA, SCREW TERMINAL	146555	EA	75
102.	LAMP, INCANDESCENT: TYPE: SWITCHBOARD; POWER: 1.2 W; POTENTIAL: 48 V; BASE: T5.5; COLOR: CLEAR; WEDGE, 25MA, 4.8 X 30MM LONG, TELEPHONE SLIDE	146601	EA	75
103.	LAMP, QUARTZ: POWER: 250 W; POTENTIAL: 250 V; BASE: E11; COLOR: CLEAR; FOR FITTING H010, SCREW TERMINAL, TUNGSTEN HALOGEN	146611	EA	75

104.	LAMP, FLUORESCENT: POWER: 20 W; POTENTIAL: 250 V; BASE: MOGUL BI PIN; COLOR: BLACK LIGHT; LENGTH: 604 MM; BULB: T10; REFERENCE NO: FL205 BL/NL/E; 33MM DIA	146616	EA	75
105.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 160 VAC; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET	146640	EA	75
106.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 6 V; BASE: BA9S; COLOR: CLEAR; BULB: NE51; SUPPL P/N: B2336; 8, 5X23, MINIATURE BAYONET	146645	EA	75
107.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 6 V; BASE: E10; COLOR: CLEAR; 10X28, MINIATURE SCREW TERMINAL	146648	EA	75
108.	LAMP, INCANDESCENT: TYPE: INDICATING; POTENTIAL: 6.5 V; BASE: E10; COLOR: CLEAR; 0.15A, 10X30, MINIATURE SCREW TERMINAL	146649	EA	75
109.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 48 V; BASE: BA9S; BULB: NE51; 9MM DIA X 23MM LENGTH, MINIATURE BAYONET	146666	EA	75
110.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 40 W; POTENTIAL: 6.3 V; BASE: MIDGET FLANGE; COLOR: CLEAR; SIZE 7MM BASE X 5.7MM DIAMETER X 16MM LONG	146675	EA	75
111.	LAMP, FLUORESCENT: POWER: 30 W; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 900 MM; BULB: T12; REFERENCE NO: TLA30W33, UNK; 38MM DIA	146695	EA	75
112.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 10 W; POTENTIAL: 125 V; BASE: E14; COLOR: CLEAR; SCREW TERMINAL	146710	EA	75
113.	LAMP, QUARTZ: POWER: 500 W; POTENTIAL: 220-230 V; BASE: T3; COLOR: CLEAR; SUPPL P/N: 10DE; HALOGEN QUARTZ, SCREW E40, SIZE 38MM DIA X 212MM LONG, SCREW TERMINAL	146712	EA	75
114.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; MANGANESE	146823	EA	75
115.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; REFERENCE NO: 56-100029-00, UNK; LEAD	146824	EA	75
116.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; ZINC	146825	EA	75
117.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; REFERENCE NO: 56-100004-00, UNK; BARIUM	146826	EA	75
118.	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 220 V; POWER: 2 W; COLOR: WHITE; TERMINAL: SCREW; LAMP FITTING, COMPLETE WITH LENS, FOR 380V WATER PLANT BOARDS, PANEL CUTOUT 22.5MM, MINIATURE INCANDESCENT	146827	EA	75
119.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; SILICON	146839	EA	75
120.	LAMP, FLUORESCENT: POWER: 4 W; BASE: MINIATURE BI PIN; COLOR: WHITE; LENGTH: 150 MM	146840	EA	75

121.	LAMP, INCANDESCENT: TYPE: PROJECTOR; POWER: 150 W; POTENTIAL: 24 V; BASE: MEDIUM 2 PIN; COLOR: CLEAR; BULB A1/216	146841	EA	75
122.	LAMP, QUARTZ: POWER: 200 W; POTENTIAL: 30 V; COLOR: CLEAR; BULB: A1/223; HALOGEN, BASE WIRE TERMINAL	146842	EA	75
123.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HOLLOW CATHODE; BASE: BI PIN; ANTIMONY	146843	EA	75
124.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2.2 W; POTENTIAL: 12 V; BASE: BA95; COLOR: CLEAR; SUPPL P/N: MBC 12Y; MINIATURE BAYONET	146844	EA	75
125.	LIGHT, INDICATING: TYPE: PILOT; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: XB2MV154; MINIATURE INCANDESCENT	146845	EA	75
126.	LIGHT, INDICATING: TYPE: PILOT; COLOR: YELLOW; TERMINAL: SCREW; REFERENCE NO: XB2MV155, UNK; ZB2MV05, UNK; ZB2MV10, UNK; ZB2MV905, UNK; LAMP, COMPLETE WITH LENS, CONSIST OFF BODY, RESISTOR BLOCK, MINIATURE INCANDESCENT	146846	EA	75
127.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 2.4 W; POTENTIAL: 48 V; BASE: BA95; COLOR: CLEAR; SBC, BA 9.5, MINIATURE BAYONET	146848	EA	75
128.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 28 V; BASE: BA195; COLOR: CLEAR; REFERENCE NO: 0919505; 60MA, SIZE 23 X 10MM OUTSIDE DIAMETER, MINIATURE BAYONET	146849	EA	75
129.	LAMP, FLUORESCENT: POWER: 22 W; POTENTIAL: 250 V; BASE: 4 PIN; COLOR: WHITE COOL; BULB: G10Q; CIRCLINE; PLUG-IN	146857	EA	75
130.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 3 W; POTENTIAL: 48 V; BASE: BA15D; COLOR: CLEAR; SIZE 16 X 35, DOUBLE CONTACT BAYONET	146858	EA	75
131.	LENS, INDICATING LIGHT: TYPE: METRAWATT INDICATOR; COLOR: RED; MATERIAL: PLASTIC; SHAPE: SQ; REFERENCE NO: 657442, UNK; REN	146863	EA	75
132.	LENS, INDICATING LIGHT: TYPE: METRAWATT INDICATOR; COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: SQ; REFERENCE NO: 657442, UNK	146864	EA	75
133.	LAMP, QUARTZ: POWER: 250 W; POTENTIAL: 250 V; BASE: E14; COLOR: CLEAR; 80MM SINGLE ENDED, CAP SIZE, MINIATURE SCREW TERMINAL, TUNGSTEN HALOGEN	146866	EA	75
134.	LENS, INDICATING LIGHT: COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME; FOR INDICATION LAMP HOLDER ON 11KV HAWKER SIDDELEY SWITCHGEAR	147311	EA	75

135.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: FLUTED; FOR INDICATION LAMP HOLDER ON 11KV HAWKER SIDDELEY SWITCHGEAR	147312	EA	75
136.	LENS, INDICATING LIGHT: TYPE: OUTO BURNER; COLOR: RED; MATERIAL: PLASTIC; SHAPE: DOME	150039	EA	75
137.	LENS, INDICATING LIGHT: COLOR: GREEN; MATERIAL: PLASTIC; SHAPE: DOME; FOR BLACK OUTO BURNER	150040	EA	75
138.	LIGHT: TYPE: INDICATING; POTENTIAL: 110 VAC/DC; COLOR: GREEN; SUPPL P/N: MRE; FOR A 22MM PANEL HOLE, ON ABB 3.3/6.6KV UNIFLEX MEDIUM VOLTAGE SWITCH GEAR	183684	EA	75
139.	LIGHT: TYPE: INDICATING; POTENTIAL: 110 VAC/DC; COLOR: RED; SUPPL P/N: MRE; FOR A 22 MM PANEL HOLE, ON ABB 3.3/6.6KV UNIFLEX MEDIUM VOLTAGE SWITCH GEAR	183685	EA	75
140.	LAMP, FLUORESCENT: POWER: 18-33 W; POTENTIAL: 230 VAC; BASE: G13; BI PIN; COLOR: WHITE COOL; LENGTH: 600 MM; THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	207956	EA	1650
141.	LAMP, INCANDESCENT: POWER: 60 W; POTENTIAL: 240 VAC; BASE: E27; COLOR: SILVER COATED; SPOTLINE R63; THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	207958	EA	75
142.	LAMP, FLUORESCENT: POWER: 20 W; POTENTIAL: 230 VAC; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 600 MM; SUPPL P/N: TL20W/33RS; NOTE! THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	209824	EA	75
143.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: ORANGE; MANUF P/N: T5501-4; 120VAC+10%; 15%, 50/60 HZ,+/-5, ENERGIZED	711492	EA	75
144.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: RED; MANUF P/N: T5501-2; 120VAC +10%; -15%; 50/60 HZ, +/-5	711496	EA	75
145.	LIGHT: TYPE: PILOT; POWER: 2 AMP; POTENTIAL: 120 VAC; COLOR: WHITE; MANUF P/N: T5501-1; ENERGIZED; POTENTIAL: +10%, -15%, (50/60HZ), +/-5	711506	EA	75

146.	DIODE, LIGHT EMITTING: DIMENSIONS: WD 245 X LG 384 X HT 50 MM; SHAPE: OVAL; COLOR: GREY; INDUSTRY STANDARD: SANS/IEC 60598-2- 5, SANS475, IEC60079-15, IEC60079-31; POTENTIAL: 230 V; CURRENT: 700 MA; L70 F50, IP65, 4000K, LASCON B40 BULKHEAD- LUMINARIES RETROFIL PLATE 53WLIGHT:	685917	EA	3750
147.	DIODE, LIGHT EMITTING: DIMENSIONS: WD 524 X LG 50 X HT 400 MM; SHAPE: RECTANGULAR; COLOR: BLACK; INDUSTRY STANDARD: SANS/IEC 60598-2-5, SANS 475; POTENTIAL: 202-254 VAC 47-63 HZ; CURRENT: 700 MA; HIGH OUTPUT SMD LED MODULE, HIGH PRESSURE, DIE-CAST, ALUMINUM, IP66, IK08 POLYESTER EPOXY POWDER COATING, KRATOS SI 3 LED FL 215W-700MA	0685080	EA	2500
148.	LAMP, INCANDESCENT: TYPE: FLOOD; POWER: 1000 W; POTENTIAL: 220 V; BASE: E40; COLOR: CLEAR; SCREW MOGUL	0146171	EA	2500
149.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220-250 V; POWER: 360 W; BASE: E40; COLOR: WHITE; SUPPL P/N: NH360FLX; ELLIPTICAL; CAP: 290 MM O/A LONG; UNIVERSAL BURNING POSITION; USED IN CONJUNCTION WITH BALLAST; NOTE! ITEM MUST BE ORIGINAL PACKED	0146698	EA	2500
150.	LAMP, FLUORESCENT: POWER: 28 W; POTENTIAL: 220 VAC; BASE: BI PIN; COLOR: WHITE; LENGTH: 1.2 M; BULB: L36; TUBES	0226214	EA	2500
151.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220-250 V; POWER: 1000 W; BASE: E40; SUPPL P/N: NAVT1000W; REFERENCE NO: VIALOX NAV-T (SON T); TUBULAR TYPE LAMPS WILL BE ACCEPTED	0146861	EA	1000
152.	LAMP, FLUORESCENT: TYPE: COMPACT; POWER: 36 W; POTENTIAL: 220 V; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 1.2 M; SUPPL P/N: L36/20; REFERENCE NO: L36W/20; 26MM DIAMETER	0146587	EA	1000
153.	LAMP, FLUORESCENT: TYPE: SLIMLINE; POWER: 58 W; POTENTIAL: 220 V; BASE: BI PIN; COLOR: WHITE COOL; LENGTH: 1.5 M; BULB: T8; 26MM DIAMETER	0146537	EA	1000
154.	RELAY 2NO 2NC DC COIL110V L-PWR	237512	EA	10
155.	MMS MAG.PROT. 6,3 HIGH BREAKING	237467	EA	15
156.	BKR CCT LV: GPS1MHAK : BACK/DIN RAIL;3;10 A;400 V;8kA	237466	EA	15
157.	BREAKER CCT LV:BACK/DIN RAIL;MCB;13 A	237449	EA	15
158.	MMS MAG.PROT. 16 HIGH BREAKING	237458	EA	15
159.	BKR CIRC: GPS1MHAP: 400 VAC;25 A;3P	237457	EA	15
160.	FAN, ELECTRIC: TYPE: AXIAL; SIZE: 910 MM; POTENTIAL: 400 VAC; CURRENT: 3.8 A; VOLUME RATING: 5.1 M3/S; INSULATION CLASS: THCL155;	0600196	EA	10

161.	SWITCH, PRESSURE: TYPE: PRESSURE RELIEF DEVICE; RANGE: 10 +/-1 PSI; POTENTIAL: 250 VDC; CURRENT: 10 A; ACTION: SPST; CONNECTION:	0600197	EA	20
162.	RELAY: TYPE: TRANSFORMER PROTECTION; COIL VOLTAGE: MAGNETIC CONTACT TUBE; CONTACT ARRANGEMENT: 1NO 2NO; CONTACT RATING: 250 V 6 A;	0600201	EA	10
163.	PUMP: TYPE: OIL CIRCULATING; SIZE: 250 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 6251; SANDBLASTED	0600202	EA	10
164.	PUMP: TYPE: OIL CIRCULATING; SIZE: 220 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 6285; SURFACE	0600203	EA	10
165.	PUMP: TYPE: OIL CIRCULATING; SIZE: 250 MM; CAPACITY: 90 M3/HR; SPEED: 1450 RPM; RATING: 840 M3/KG; OEM P/N: 373;374; SURFACE	0600205	EA	10
166.	VALVE: TYPE: SUDDEN FLOW; VALVE SIZE: DN 80; DESIGN RATING: 2.07 L/S; TEMPERATURE RATING: -35 TO 100 DEG C; CONNECTION: FLANGE;	0600207	EA	10
167.	BUSHING, ELECTRICAL CONDUCTOR: TYPE: RESIN IMPREGNATED PAPER; POTENTIAL: 36 KV; CURRENT: 30 KA; OEM P/N: 373374 6285; RTXF36-30 CU	0600270	EA	10
168.	P/N: 373; 374; 4 SWITCH; LENGTH: 12M	0601785	EA	48
169.	INDICATOR: TYPE: WINDING TEMPERATURE; DIMENSIONS: DIA 173 X WD 98 MM; RANGE: 0-160 DEG C; SCALE: DEG C; RATING: 250 VDC 0.4 A;	0601786	EA	48
170.	INDICATOR: TYPE: OIL LEVEL; DIMENSIONS: DIA 173 X WD 81 MM; RANGE: -50 TO 80 DEG C; SCALE: DEG C; RATING: 250 VDC 0.1 A; REFERENCE	0601787	EA	8
171.	INDICATOR: TYPE: OIL FLOW; DIMENSIONS: DIA 110 X WD 78 MM; RANGE: 300-600 L/MIN; SCALE: ON/OFF; RATING: 250 VDC 0.25 A; REFERENCE	0601788	EA	8
172.	INDICATOR: TYPE: OIL FLOW; DIMENSIONS: DIA 95.3 X WD 89.7 MM; RANGE: 300-600 L/MIN; SCALE: ON/OFF; RATING: 250 VAC 5 A; REFERENCE	0601789	EA	8
173.	RELAY, CONTROL: CONTACT RATING: 230 VAC 2 A 400 VA; CONTACT ARRANGEMENT: 3NO; COIL VOLTAGE: 220 VAC; ACTION: 3PST; MOUNT: BRACKET;	0626807	EA	8

174.	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 400/690 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 23 A; POLE: 3; SPECIFICATION: IEC 947; EN 60	0630743	EA	20
175.	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 10 A; POLE: 4; ENCLOSURE RATING: IP20; CONTACT	0630744	EA	20
176.	TERMINAL: SCREW; OPERATING TEMPERATURE RANGE: -50 TO 80 DEG C; DIMENSIONS: WD 44.9 X LG 108.2 X DP 78.7 MM	0630745	EA	20
177.	CONTACT, AUXILIARY: TYPE: RELAY; CONTACT ARRANGEMENT: 4NC; CURRENT: 10 A; POTENTIAL: 230 VAC; MATERIAL: PLASTIC; CLASSIFICATION:	0630746	EA	20
178.	RELAY: TYPE: CONTROL; COIL VOLTAGE: 400 VAC; CONTACT ARRANGEMENT: 3NO 4NC; CONTACT RATING: 400 V 10 A; ACTION: SPDT; TERMINAL: 11	0630747	EA	15
179.	RELAY: TYPE: CONTROL; COIL VOLTAGE: 230 VAC; CONTACT ARRANGEMENT: 2NO 2NC; CONTACT RATING: 100 A; ACTION: DPDT; TERMINAL: PIN;	0630748	EA	20
180.	RELAY, OVERLOAD: TRIP RANGE: 0.2-27 A; TYPE: LOAD PROTECTION; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 16 A; TERMINAL:	0630750	EA	20
181.	RELAY, CONTROL: CONTACT RATING: 250 VAC 5 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 250 VAC; ACTION: 2SPDT; MOUNT: BRACKET;	0630875	EA	20
182.	RELAY, TIME DELAY: OPERATION: 120 S; CONTACT ARRANGEMENT: 4NO 4NC; ACTION: DPST; CONTACT RATING: 230 VAC 5 A; COIL VOLTAGE: 230	0630876	EA	20
183.	-30 TO 120 DEG C	0630878	EA	20
184.	SOCKET, ELECTRICAL: TYPE: WATERPROOF; CONTACT: 8 PIN; POTENTIAL: 230 VAC; 220 VDC; CONFIGURATION: DPDT; CONNECTION: SCREW;	0630981	EA	10
185.	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: ADJUSTABLE CB; POTENTIAL: 690 VAC; CURRENT: 6 A; SHORT TIME CURRENT: 325 A; POLE: 3; CONTROL	0645098	EA	10

186.	LATCH: TYPE: LEVER; DIMENSIONS: WD 55 X HT 55 X DP 80 MM; MATERIAL: PLASTIC; SUPPL P/N: 100-FL11KF; POTENTIAL: 230 VAC; CONTACT	0645100	EA	10
187.	ELEMENT, HEATER: POTENTIAL: 230 VAC; POWER: 60 W; SUPPL P/N: 60W-203	0645101	EA	15
188.	FAN, ELECTRIC: TYPE: COOLING AVR; POTENTIAL: 230 VAC; VOLUME RATING: 40 CM3; SUPPL P/N: D2E133DM4701; REFERENCE NO: 3UFAFCAP; RATING 50-60HZ, COMPLPTE WITH CAPACITOR	0040324	EA	10
189.	HOOK: TYPE: INSULATOR HOOK ASSEMBLY; DIMENSIONS: LG 40 x WD 24 x HT 60 MM; MATERIAL: G11 INSULATION; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; OEM P/N: ESKK102; THE FOLLOWING ACCESSORIES MUST BE PART OF THE INSULATOR HOOK ASSEMBLY:	0738615	EA	10
190.	CLAMP ASSEMBLY: TYPE: COPPER BRAIDED STRAP HOLDER; DIMENSIONS: LG 100 X WD 30 X HT 62.5 MM; MATERIAL: S355JR STEEL PLATE TIN PLATED.; ACCESSORY COMPONENTS: TWO CAP HEX BOLT M8X25 WITH FLAT AND SPRING WASHERS; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; OEM P/N: ESKK103; U-SHAPED CLAMP WITH CENTRAL DIAMETER OF OD 16 MM	0738614	EA	10
191.	STRAP, GROUNDING: TYPE: COPPER BRAIDED STRAP ASSEMBLY; WIDTH: 40 MM; LENGTH: 1101 MM; MATERIAL: COPPER-TIN PLATED; APPLICATION: GENERATOR ROTOR SHAFT EARTHING; SPECIFICATION: DIN46443; OEM P/N: ESKK100; BRAIDED STRAP: LG 1000 MM X WD28 MM X THK6 MM, STRAND DIAMETER OD 0.1 MM EACH, MATERIAL: CU/X6CLNITI18-10	0738504	EA	10
192.	STUD: TYPE: INSULATION; DIAMETER: 30.1 MM; THREAD: NOT THREADED; LENGTH: 137 MM; MATERIAL: BASE: MILD STEEL SHAFT: INSULATION (G11); THREAD LENGTH: 0 MM; OEM P/N: ESKK101; STUD BASE DIMENSIONS: OD 30.1 MM	0738516	EA	10
193.	MODULE, POWER SUPPLY: INPUT: 21-26.4 V 9 A; OUTPUT: 5.25-12 V; SUPPL P/N: KUC321AE; REFERENCE NO: HIEE300698R1; FOR NEW AVR UNITROL P, SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED, SEALED AND CLEARLY MARKED	0142569	EA	20
194.	MODULE: TYPE: BYPASS; INPUT: 380 V; OUTPUT: 380 V; POWER SOURCE: 380 V AC; SUPPL P/N: 6RICSKRH017B; REFERENCE NO: NF12345; SCR 3PH CARD	0223060	EA	20
195.	BLOWER: TYPE: H2 DRYER; MODEL NO: D35508; THE SPARES ARE FOR THE HYDROGEN DRYER AND MONITORING ON THE GENERATOR UNIT 1 TO 6; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	0234240	EA	10
196.	KIT: TYPE: VD4 CB LOCKING MAGNET; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R5909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239738	EA	20

197.	KIT: TYPE: VMAX CB SHUNT OPENING RELEASE; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF339752R2909; 110VDC, 3.3KV AND 11KV BOARDS	0239740	EA	20
198.	KIT: TYPE: VMAX CB SHUNT CLOSING RELEASE; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF339752R6909; 110VDC, 3.3KV AND 11KV BOARDS	0239741	EA	20
199.	KIT: TYPE: VMAX CB MOTOR OPERATOR; APPLICATION: COMMON PLANT; REFERENCE NO: 1VCF329750R8948; EL2S- EL3, 220V 50HZ, 3.3KV AND 11KV BOARDS	0239742	EA	20
200.	KIT: TYPE: VM1 CB POWER CARD; APPLICATION: SERVICE BOARDS C/D 3.3 KV; REFERENCE NO: 1VCF359899R0142; ED2 100/205V STANDARD	0239744	EA	20
201.	KIT: TYPE: VD4 CB AUX SWITCH; APPLICATION: SERVICE BOARDS A/C 3.3 KV; REFERENCE NO: 1PLS000000D7655; 5NO	0239747	EA	20
202.	MODULE: TYPE: FAN; APPLICATION: UPS; SUPPL P/N: 2526023; REFERENCE NO: 7855ES; PAPST	0253368	EA	10
203.	MODULE: TYPE: SCR; INPUT: 1200V; 55A; MANUF P/N: 02600134; SEMPACK	0582999	EA	10
204.	RELAY: TYPE: TRANSFORMER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (2) 3PDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: RET541AB231AAAB	0598847	EA	10
205.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (2) 3PDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: REM543CM212AAAB	0598848	EA	10
206.	RELAY: TYPE: BUS PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; REFERENCE NO: 543KC127AAAB	0598849	EA	10
207.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 6 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: REM543CM214AAAA	0598851	EA	10
208.	RELAY: TYPE: INCOMMER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 5NO 5NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; REFERENCE NO: 541KM115AAAB	0598855	EA	10
209.	RELAY: TYPE: MULTI PURPOSE PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 1NO 4NC; CONTACT RATING: 0.2 A; ACTION: (3) SPDT; TERMINAL: 1 PIN PLUG IN; MOUNT: HORIZONTAL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: BRZ/CU; SUPPL P/N: SPAJ140C-AA	0598852	EA	15

210.	DEVICE, INTELLIGENT ELECTRONIC: TYPE: OVERCURRENT AND EARTH FAULT PROTECTION; VOLTAGE: 110/220 VDC; DRAWING NO: D9049 REV 1; CURRENT: 1-5 AMPERE; SPECIFICATION: CORROSION DISSCABD1 REV 2/DISASAC19 REV 2; ESKOM DISSCABD1 REV 2/DISASAC19 REV 2; MAT DISSCABD1 REV 2/DISASAC19 REV 2; STD DISSCABD1 REV 2/DISASAC19 REV 2; TEST/CERTIFICATION DISSCABD1 REV 2/DISASAC19 REV 2; GE MULTILIN F35; ON FOUR INDEPENDENT THREE PHASE CURRENT INPUTS; INCLUDES TWO REAR EIA-485 COMMUNICATION PORTS WITH DNP3/MODBUS PROTOCOLS; INCLUDES IRIG-B TIME SYNCH INTERFACE; TRANSFORMERS; USED IN 4BZ5700 AND 4BZ5800 PROTECTION SCHEMES; IDENTIFICATION: INDELIBLE MNFRS TRADEMARK AND PART NO. ON ALL ITEMS; 4BZ5X00	0224992	EA	24
211.	RELAY: TYPE: FEEDER PROTECTION; COIL VOLTAGE: 110 V; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 110 W; ACTION: 1P; TERMINAL: SCREW; MOUNT: SCREW; ENCLOSURE RATING: IP52; SUPPL P/N: MIFIPI11E20HI00	0599904	EA	40
212.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; SUPPL P/N: SPTU240R3; REFERENCE NO: SPAM150C	0602768	EA	20
213.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; APPLICATION: RELAY; SUPPL P/N: SPTU240R1; REFERENCE NO: SPAJ142C	0602769	EA	20
214.	MODULE, POWER SUPPLY: TYPE: CONTROL; INPUT: 265 V; OUTPUT: 24 V; SUPPL P/N: SPAU130C	0602770	EA	20
215.	POWER SUPPLY: INPUT: 5 V; OUTPUT VOLTAGE: 5-12 V; OUTPUT CURRENT: 1- 10 A; TYPE: CHARGER; SPECIFICATION: EN61000-3-2-3; SUPPL P/N: PSU100-RT-85C	0659643	EA	20
216.	BOARD, PRINTED CIRCUIT: TYPE: GRAPHIC DISPLAY; SUPPL P/N: PCA100- PCA7502012	0659696	EA	20
217.	ELEMENT, HEATER: DIMENSIONS: LG 1015 X OD 280 MM; TYPE: H2 DRYER; POTENTIAL: 110 VAC; POWER: 1064 W; MATERIAL: SENDANIAL; TEMPERATURE RATING: 0-250 DEG C; CURRENT: 8 A; MANUF P/N: D53251	0711376	EA	20
218.	RELAY: TYPE: NUMERIC; COIL VOLTAGE: 110 VAC; CONTACT ARRANGEMENT: 1N/O, 1N/C; CONTACT RATING: 5 AMPS; ACTION: 1PST; TERMINAL: 7 SCREW; MOUNT: SURFACE; ENCLOSURE RATING: IP20; SUPPL P/N: REA 105 IMRS090418-AA; ARC DETECTION; INSTALLED IN 11KV AND 3.3KV SWITCHGEAR INCOMERS AT THE UNITS 1-6 AND COMMON PLANT	0712435	EA	20
219.	RELAY: TYPE: ELECTROMAGNETIC; COIL VOLTAGE: 24 VAC; CONTACT ARRANGEMENT: 2N/O; CONTACT RATING: 6 A; ACTION: 1PDT; TERMINAL: 9 PINS; MOUNT: PLUG IN BASE; ENCLOSURE RATING: IP44; SUPPL P/N: RMXC 1 IMRS000460- AD; SUPERVISORY IPC/IPT; INTSALLED IN 11 KV AND 3.3 KV SWITCHGEAR FEEDERS AT THE UNITS 1-6 AND COMMON N PLANT	0712433	EA	20
220.	MODULE: TYPE: OUTPUT TA CARD; INPUT: 220 VDC; OUTPUT: 380 VAC; POWER SOURCE: 220 V DC; SUPPL P/N: 6R	0223070	EA	20
221.	MODULE: TYPE: CARD CONVERTER DRIVE; APPLICATION: UPS; SUPPL P/N: 6RISKHH002A; REFERENCE NO: NF 12772	0253375	EA	20

222.	MODULE: TYPE: IGBT; INPUT: 600 V 300 A; APPLICATION: UPS; SUPPL P/N: 6RICAP13767A; REFERENCE NO: NF 13767	0253374	EA	20
223.	MODULE: TYPE: SYSTEM CARD; INPUT: 220 V; APPLICATION: UPS 30 KVA; SUPPL P/N: 6R_APTB2196A04A	0253372	EA	20
224.	MODULE: TYPE: DISPLAY CARD; APPLICATION: UPS; SUPPL P/N: 6R_APTB062B01A	0253371	EA	20
225.	MODULE: TYPE: CONTACTOR DRIVE CARD; APPLICATION: UPS; SUPPL P/N: 6R_AATB2073B01A; 100-800	0253369	EA	20
226.	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 400 V; DIMENSIONS: DIA 10 X LG 38 MM; TYPE: GG; CASE MATE	0253366	EA	100
227.	MODULE: TYPE: SUPPORT NTC; APPLICATION: UPS; SUPPL P/N: 2409484	0253365	EA	20
228.	MODULE: TYPE: CAPACITOR; OUTPUT: 350 VDC; APPLICATION: UPS; SUPPL P/N: 1528205; 4700 MFD	0253364	EA	20
229.	MODULE: TYPE: INVERTER CONTROL DRIVE CARD; INPUT: 220 V; POWER SOURCE: 30 KVA; APPLICATION: UPS; SUPPL P/N: 6RICAERH008103A	0253361	EA	20
230.	MODULE: TYPE: CONFIGURATION CARD; APPLICATION: UPS; SUPPL P/N: 6RICSKRH006A	0253360	EA	20
231.	MODULE: TYPE: SLAVE CONVERTER CONTROL; APPLICATION: UPS 12F; SUPPL P/N: 6R_AATB2742C02C	0253362	EA	20
232.	MODULE: TYPE: MASTER CONVERTER CONTROL CARD; INPUT: 220 V; APPLICATION: UPS; SUPPL P/N: 6R_AATB2742C03A	0253370	EA	20
233.	DIODE: TYPE: RECTIFIER; POTENTIAL: 800 V; CURRENT: 260 A; CONNECTION: THD; SUPPL P/N: SKR130/08; POWER: PR=2W RC, PR=20W RP, D1, D2 DROPPING DIODE ASSEMBLY (6), M12 SW=24	0252722	EA	20
234.	DIODE: TYPE: STUD SCREW; INDUSTRY STANDARD: SKN 130/08; POTENTIAL: 800 V; CURRENT: 130 A; MANUF P/N: SKN130/08	0130838	EA	200
235.	MODULE: TYPE: BLEEDER CARD; INPUT: 24 VDC; OUTPUT: 24 VDC; POWER SOURCE: 24 V DC; SUPPL P/N: 6RICSKHH007A; 60-80K DC	0223064	EA	20
236.	FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 500 V; CONNECTION TYPE: CLAMP; DIMENSIONS: DIA 10 X LG 38 MM; REFERENCE NO: X213598	0117414	EA	500
237.	RECTIFIER: TYPE: BRIDGE; POTENTIAL: 24 VDC; CURRENT: 25 A; INDUSTRY STANDARD: KBPC25-10; REFERENCE NO: BRID010M; SPARE FOR 24V AT 600A UNIT BATTERY CHARGER (6V 024600A06)	0251984	EA	20
238.	METER, ELECTRICAL: TYPE: AMP; RANGE: 0-800 A; READOUT: DIGITAL; STYLE: PANEL MOUNT FLUSH; SUPPL P/N: SP292A; CHARGER SPARES, 220V AT 730A	0238041	EA	20

239.	FUSE, CARTRIDGE: CURRENT: 630 A; POTENTIAL: 500 V; SPECIFICATION: DIN NH3; REFERENCE NO: FUS1; TYPE LOAD, SPARE FOR 24 V, 24 VDC AT 600 A UNIT BATTERY CHARGER (6V024600A06)	0251978	EA	200
240.	MODULE: TYPE: CARD, PHASING, TRANSFORMER; OUTPUT: 24 VDC 600 A; POWER SOURCE: 24 V; APPLICATION: BATTERY CHARGER; REFERENCE NO: 6V024 600A06; SP279LL	0251982	EA	20
241.	MODULE: TYPE: LOGIC; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP131C; RACK STEERING	0245562	EA	15
242.	MODULE: TYPE: PHASE CONTROL; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP131A	0245560	EA	20
243.	MODULE, POWER SUPPLY: TYPE: UNIT; INPUT: 230 VAC; OUTPUT: 24 VDC 150 W; MANUF P/N: V24230-Z6-A1	0242284	EA	20
244.	MODULE: TYPE: ANALOG; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP322	0245550	EA	20
245.	MODULE: TYPE: DIGITAL UNIT; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP323; CARD 1	0245566	EA	20
246.	MODULE: TYPE: DIGITAL UNIT; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP324; 19 INCH	0245567	EA	20
247.	MODULE: TYPE: RELAY; INPUT: 24 VDC; POWER SOURCE: 24 V DC; APPLICATION: BATTERY CHARGER; DIMENSIONS: WD 80 X LG 140 X HT 40 MM; SUPPL P/N: SP277; CARD 2	0245545	EA	15
248.	HOSE, AIR: INSIDE DIAMETER: 13 MM; LENGTH: 800 MM; CONNECTION: COMPRESSION; MATERIAL: RUBBER; DRAWING NO: BBC AGT337884R3 REV 1; REFERENCE NO: 9001; COOLING; TYPE DR36-U-1750; FOR BBC GENERATOR AIR CIRCUIT BREAKER 18KV	0056857	EA	24
249.	HEATER, IMMERSION: DIMENSIONS: DIA 550 MM X LG 2.62 M; POTENTIAL: 380 VAC; POWER: 427 KW; REFERENCE NO: SR 64895; PVN 400-6/198; PVN400-6- 198; COMPLETE WITHOUT MAIN CASING; AND ESKOM ORDER OPO 11960; SO3 AIR	0053821	EA	10
250.	CONTACTOR: TYPE: BF50C; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 50 A; POLE: 3; ENCLOSURE RATING: IP20; CLASSIFICATION: NON- HAZARDOUS; SPECIFICATION: IEC 60947-4-1; CONTACT ARRANGEMENT: 3 NO 3 NC; MAXIMUM CURRENT RATING: 90 A; MANUF P/N: BF50 00	0724108	EA	15
251.	FUSE, CARTRIDGE: CURRENT: 120 A; POTENTIAL: 690VAC/500VDC; CONNECTION TYPE: STUD; DIMENSIONS: LG 94 MM; TYPE: HIGH SPEED; CASE MATERIAL: CERAMIC; SPECIFICATION: BS 88; MANUF P/N: 120FEE	0666344	EA	115
252.	FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 119 X THK 38 MM; POTENTIAL: 230 V AC; CURRENT: 0.11 A; VOLUME RATING: 0.28 M3/S; OEM P/N: 02526023; REFERENCE NO: 7855 ES	0614896	EA	15
253.	MODULE, POWER SUPPLY: TYPE: UPS; INPUT: 600 V; OUTPUT: 400 V; OEM P/N: 6RICAP13767A	0598489	EA	20
254.	MODULE: TYPE: PARALLEL CONTROL CARD; APPLICATION: UPS; SUPPL P/N: 6RICAERH018D	0253373	EA	20
255.	MODULE: TYPE: TA INVERTER CARD; SUPPL P/N: 6RICSKHH008B	0659689	EA	20

256.	FUSE: TYPE: CYLINDRICAL; CURRENT: 4 A; MATERIAL: CERAMIC; POTENTIAL: 500 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 10 X LG 38 MM; SUPPL P/N: 420004	0626273	EA	20
257.	BOARD, PRINTED CIRCUIT: TYPE: 12 PULSE CONTROL; SUPPL P/N: PCA120- PCA7502040	0659686	EA	20
258.	BOARD, PRINTED CIRCUIT: TYPE: 12 PULSE DRIVE; SUPPL P/N: PCA121- PCA7502041	0659688	EA	20
259.	BOARD, PRINTED CIRCUIT: TYPE: AUXILLIARY AND FUSE SENSOR; SUPPL P/N: PCA122-PCA7502023	0659682	EA	20
260.	FUSE: CURRENT: 6-710 A; MATERIAL: CU; POTENTIAL: 690 V; CONNECTION: BOLT; DIMENSIONS: DIA 17.1 X LG 77 MM; SPECIFICATION: IEC269; SUPPL P/N: FU150-63ET; FOR BATTERY CHARGER 110V	0659717	EA	500
261.	FUSE: CURRENT: 3 A; MATERIAL: PORCELAIN; POTENTIAL: 100 V; CONNECTION: BOLT; DIMENSIONS: DIA 6.3 X LG 25.4 MM; SPECIFICATION: IEC269; SUPPL P/N: E100-A3; FOR BATTERY CHARGER 110V	0659719	EA	500
262.	CAPACITOR: TYPE: BATTERY CHARGER; CAPACITANCE: 100 UF; POTENTIAL: 250 V; CREEPAGE: 10 MM; STYLE: CERAMIC DISC; TOLERANCE: +/-20PCT; SUPPL P/N: CAP100-AYXHR103X250DF1	0659715	EA	20
263.	FAN, ELECTRIC: TYPE: BATTERY CHARGER; SIZE: SQ 120 X THK 38 MM; POTENTIAL: 230 VAC; CURRENT: 10 A; VOLUME RATING: 2.52-2.83 M3/MIN; SPEED: 3000 RPM; MATERIAL: DIECAST; SPECIFICATION: FAN100-4C 230HB; DIRECTION: CLOCKWISE; SUPPL P/N: 230V/BI-SONIC; HOUSING MATERIAL: AL; COLOR: BLACK; RATING: UL94V-D; POWER: 22/19W	0659212	EA	15
264.	MODULE: TYPE: STANDBY; INPUT: 380 V; OUTPUT: 110 V 30 A; POWER SOURCE: 3.3 KW; APPLICATION: BATTERY	0598483	EA	20
265.	FUSE: CURRENT: 250 A; MATERIAL: PORCELAIN; POTENTIAL: 690 VAC; CONNECTION: PUSH IN; DIMENSIONS: DIA 17.1 X LG 77 MM; SPECIFICATION: IEC60269; SUPPL P/N: FU120-250FM; FOR BATTERY CHARGER 220V	0659704	EA	300
266.	POWER SUPPLY: INPUT: 380 V; OUTPUT VOLTAGE: 24 V; OUTPUT CURRENT: 600 A; APPLICATION: DC ROOM; TYPE: CHARGER; MOUNTING: HORIZONTAL; SUPPL P/N: SP321; STATIC POWER	0598487	EA	20
267.	MODULE, ELECTRONIC: TYPE: RABBIT (110 VDC); VOLTAGE: 110 VDC; MANUF P/N: USF120LX-RMC2200 (110 VDC);	0725143	EA	20
268.	MODULE, ELECTRONIC: TYPE: RABBIT (220 VDC); VOLTAGE: 220 VDC; MANUF P/N: USF120LX-RMC2200 (220 VDC);	0725138	EA	20
269.	BOARD, PRINTED CIRCUIT: TYPE: RELAY BOARD; SUPPL P/N: PCA123- PCA7502024	0659694	EA	20

270.	MODULE: TYPE: ELECTRONIC CONTROL; INPUT: 12-24 VDC; OUTPUT: 2MA AT 12V; 4MA AT 24V; POWER SOURCE: 8-35 V; APPLICATION: DIESEL ENGINE SET OF C15 ENGINE FTH02082; DIMENSIONS: WD 70 X LG 340 X HT 250 MM; SUPPL P/N: 10R564-06/1075L100JL; CAT ECM C15 ENGINE	0668218	EA	20
271.	MODULE: TYPE: GRAPHIC DISPLAY; INPUT: 12-24 VDC; OUTPUT: 5A AT 12V; 3.5A AT 24V; POWER SOURCE: 12-24 V DC; APPLICATION: DIESEL C15 ENGINE SET GENERATOR CONTROLLER; DIMENSIONS: WD 3.8 IN; SPECIFICATION: BS EN 60204-1; COMMERCIAL SIZE: 33X132 PIXEL; SUPPL P/N: EMCP4.1/4.2-CAT	0668219	EA	20
272.	RELAY, TIME DELAY: OPERATION: 0-1 S; CONTACT ARRANGEMENT: 1NC 1NO; ACTION: SPST; CONTACT RATING: 250 V 8 A 2000 VA; COIL VOLTAGE: 250 V; TERMINAL: LEAD AXIAL; MOUNT: BASE 11PIN; CONTACT MATERIAL: COPPER; MEDIUM: ELECTRONIC; ENCLOSURE RATING: OPEN; SPECIFICATION: VDE 0435 PM20; SUPPL P/N: TELEPDM20; CONTROLS TO REDUCE THE STARTING CURRENT OF RESISTOR WITH 3 STAGE; 3 STAGE RESISTOR MILL BANK	0668061	EA	15
273.	CHARGER, BATTERY: TYPE: INTELLIGENT; POWER SOURCE: 220 VAC; OUTPUT: 24 V 10 A; MOUNTING: BACK PLATE SUPPORTING BRACKET; CONNECTION: DIN PLUGS; SUPPL P/N: DSE9740MKII24V; CONNECTIONS: GROUND+NL WITH A 1.5 MM CONDUCTORS; MOUNTING DIMENSIONS: WD 70X LG 200X HT 130 MM; WEIGHT: 0.75 KG	0667186	EA	20
274.	FG400-RPlug 3p3tr S1A-400A 400	237444	EA	15
275.	EP100UC 2P 2A C /GE Redline	237486	EA	15
276.	EP100UC 2P 6A C /GE Redline	237481	EA	15
277.	G60 1P 10A C /GE Redline	237484	EA	50
278.	G60 3P 10A C /GE Redline	237462	EA	50
279.	G60 1P 16A C /GE Redline	237483	EA	50
280.	G60 2P 16A C /GE Redline	237475	EA	50
281.	G60 1P 6A C /GE Redline	237480	EA	50
282.	G60 2P 2A C /GE Redline	237465	EA	50
283.	G60 1P 20A C /GE Redline	237479	EA	50
284.	G60 2P 20A C /GE Redline	237464	EA	50
285.	G60 3P 20A C /GE Redline	237461	EA	50
286.	G60 3P 25A C /GE Redline	237470	EA	50

287.	G60 1P 32A C /GE Redline	237482	EA	50
288.	G60 2P 32A C /GE Redline	237474	EA	50
289.	G60 3P 32A C /GE Redline	237469	EA	50
290.	G60 1P 40A C /GE Redline	237478	EA	50
291.	BKR CIRC:240/415 VAC;40 A;3;MINIATURE	237460	EA	50
292.	G60 1P 2A C /GE Redline	237485	EA	50
293.	BKR CIRC:250 VAC;5 A;1;2.5 KA	119251	EA	50
294.	BKR CIRC:250/380 VAC;4 A;1;STOTZ	119953	EA	50
295.	BKR CIRC: GPS1MHAE : 500 V;50 A;3; 13kA MOTOR PROTECTION	237448	EA	15
296.	MMS MAG.PROT. 1,6 HIGH BREAKING	237447	EA	15
297.	BKR CIRC: GPS1MHAR: 400 VAC;32 A;3P	237456	EA	15
298.	BKR CIRC:SF3-G3;415 VAC;5 A;3;5 KA	119266	EA	15
299.	BKR CIRC:CF2G3;440 VAC;5 A;2;5 KA	119261	EA	15
300.	FD160-Breaker-50kA FDN36TD100G	237405	EA	15
301.	BKR CIRC:FEN36MC080JF: 500 V;12.5 A;3;MOTOR PROTECTION	237455	EA	15
302.	BKR CIRC:430636FDN36TD125GD;500 V;125 A	237439	EA	15
303.	KR CIRC:160A FEN36MC160JF: 500 V;160 A;3;MOTOR PROTECTION	237453	EA	15
304.	FD160-Breaker-50kA FDN36TD160G	237438	EA	15
305.	BKR CIRC: 200A FEN36MC200KF: 500 V;200 A;3;MOTOR PROTECTION	237450	EA	15
306.	BKR CIRC:432979FEN36TD200KF;500 V;200 A	237437	EA	15
307.	FE250-Breaker-50kA FEN36MC250K	237441	EA	15
308.	FE250-Breaker-50kA FEN36TD250K	237404	EA	15
309.	FG400-Breaker-50kA FGN36AA400L	237445	EA	15

310.	BKR CIRC: GPS1MHAL : 500 V;50 A;3; 12.5kA MOTOR PROTECTION	237454	EA	15
311.	BKR CIRC FDN36TD063ED:500 V;63 A;3;50 KA;TYPE: MCCB	237407	EA	15
312.	FG630-RPlug 3p3tr S1A-630A 630	237442	EA	15
313.	FG630-Breaker-50kA FGN36AA630N	237443	EA	15
314.	BKR CIRC: GPS1MHAG MAGNETIC PROTECTION: 400 VAC;2.5kA;3P	237452	EA	15
315.	BKR CIRC FDN36TD080GD:500 V;63 A;3;50 KA;TYPE: MCCB	237406	EA	15
316.	BKR CIRC:FDN36TD016ED:500 VAC;16 A;3;50 KA; 160A TYPE: MCCB	237440	EA	15
317.	COIL,TRIP HS/DC 110	129444	EA	25
318.	COIL ELECT:110 VAC;CONTACTOR	130120	EA	25
319.	COIL ELECT:110 VDC;CONTACTOR	129268	EA	25
320.	COIL ELECT:AC1-10;120 VDC;CONTACTOR	130131	EA	25
321.	COIL ELECT:CA1-100;220 VAC;CONTACTOR	130114	EA	25
322.	COIL ELECT:3TY1-223-0Q;380 VAC;CONTACTOR	130127	EA	52
323.	COIL ELECT:LX1D-09042;42 VAC;CONTACTOR	128969	EA	25
324.	COIL ELECT:LX1FJ220;MAIN CONTACTOR	129329	EA	25
325.	CONTACTOR:B16-30-10;220 VAC;28 A;2NO 2NC	127675	EA	25
326.	CONTACTOR:TYPE 3TF4422-OAQO;380 V	142905	EA	25
327.	CONTACTOR:LC1-D18S5;380 VAC;500 VAC;22 A	125763	EA	20
328.	CONTACTOR:104213CL06A300MJ;380/500 VAC	237425	EA	25
329.	CONTACTOR:104084CL01A310TN;380/500 VAC, 25A	237428	EA	20
330.	CONTACTOR:104114CL02A310TN;380/500 VAC , 32A	237427	EA	20
331.	CONTACTOR:104174CL04A310MN;380/500 VAC	237426	EA	20
332.	CONTACTOR:CA5-550;480 VAC;110 VDC;3	127667	EA	20
333.	CONTACTOR:3TF6844-OAMO,Control 660VAC	125807	EA	20
334.	CONTACTOR:453-1069-5,Control 110VAC	127798	EA	20

335.	CONTACTOR:CONTROL;220/660 VAC;110 VAC;8	125964	EA	20
336.	CONTACTOR:CONTROL;220/660 VAC;220 VAC;3	142909	EA	20
337.	CONTACTOR:CONTROL;230/660 VAC;110 VAC;4	128543	EA	20
338.	CONTACTOR:KC22E22V;CONTROL;240 V;220 VDC	142403	EA	20
339.	CONTACTOR:DIL-00L-22D;CONTROL;380 VAC	127779	EA	20
340.	CONTACTOR:LC1-D25Q7;CONTROL;380 VAC;3	142448	EA	20
341.	CONTACTOR:3RT1016-1AP01, 220VAC	125802	EA	20
342.	CONTACTOR:112697CL25A310T3;CONTROL;3	237413	EA	20
343.	CONTACTOR:CONTROL;380/440 VAC;25 A;3	226216	EA	20
344.	CONTACTOR:112138CL07E300MJ;CONTROL;3P , 100A	237417	EA	20
345.	CONTACTOR:104479CK85BE311N;CONTROL;3	237422	EA	20
346.	CONTACTOR:104614CK95BE311N;CONTROL;3	237421	EA	20
347.	CONTACTOR:133286CK10CE311N;CONTROL;3	237420	EA	20
348.	CONTACTOR:112139CL07E300MN;CONTROL;3	237416	EA	20
349.	CONTACTOR:112159CL09E300MN;CONTROL;3	237415	EA	20
350.	CONTACTOR:112344CL25A310TN;CONTROL;3	237414	EA	20
351.	CONTACTOR:112099CL04D310MN;CONTROL;3P , 60A	237418	EA	20
352.	CONTACTOR:3RT1016-1BB41, 400VAC	611497	EA	20
353.	CONTACTOR:CA2DN31B5;CONTROL;500 VAC;6 A	142508	EA	20
354.	CONTACTOR:3RT1024-1AP00, 600VAC	125803	EA	20
355.	CONTACTOR:100-B180NA3;CONTROL;600 VAC	142910	EA	20
356.	CONTACTOR:S-N50;CONTROL;600 VAC;220 VAC	125783	EA	20
357.	CONTACTOR:3TF5622-OAMO,Control 660VAC	126974	EA	20
358.	CONTACTOR:CRANE;500 VAC;380 VAC;30 A;3	142907	EA	20
359.	CONTACTOR:CRANE;600 VAC;380 VAC;80 A;3	142906	EA	20
360.	CONTACTOR:IOR260220AMA;DC CONTROL;500 V	129474	EA	20
361.	CONTACTOR:CLO7A311MN10424N;MAGNETIC;3	215467	EA	20
362.	CONTACTOR:CLO9A311MN10428N;MAGNETIC;3	215468	EA	20

363.	CONTACTOR:3RT1036-1AP00;MAIN;380 VAC	501002	EA	20
364.	CONTACTOR:S-K20;MOTOR;280/440 VAC;250 A	125780	EA	20
365.	CONTACTOR:TYPE: VC19-3E5- DF;MOTOR;400 A	127780	EA	20
366.	CONTACTOR:LC1-D6511;MOTOR;380 VAC;80 A	142447	EA	20
367.	CONTACTOR:LC1D5011M5;MOTOR;380/415 VAC	125760	EA	20
368.	CONTACTOR:S-N35CX;MOTOR;380/440 VAC;3	125775	EA	20
369.	CONTACTOR:CN1DB133;MOTOR;380/500 VAC;3	139068	EA	20
370.	CONTACTOR:3TF4222-OAMO,Motor 220VAC	142921	EA	20
371.	CONTACTOR:3RT1065-6AP36,Motor 400VAC	246504	EA	20
372.	CONTACTOR:LC1-D8011-Q5;MOTOR;440/600 VAC	127810	EA	20
373.	VACUUM CONTACTOR,TOYO-DINKI VC19-3E5-SS4	142496	EA	20
374.	CONTACTOR:3TF4822-OAFO,Motor 600VAC	127789	EA	20
375.	CONTACTOR:LC1F265;MOTOR;600 VAC;110 VDC	127712	EA	20
376.	CONTACTOR:A110-30-11;MOTOR;600 VAC;3	127793	EA	20
377.	CONTACTOR:EH100;MOTOR;600 VAC;220 VAC;3	130128	EA	20
378.	CONTACTOR:LC1 F265;MOTOR;600 VAC;220 VAC	125759	EA	20
379.	CONTACTOR:LC1F185;MOTOR;600 VAC;220 VAC	125770	EA	20
380.	CONTACTOR:LC1FJ43M;MOTOR;600 VAC;220 VAC	125772	EA	20
381.	CONTACTOR:3RT1065-6LA06,Motor 600VAC	142925	EA	20
382.	CONTACTOR:TYPE 10B 250;MOTOR;600 VAC;3	125605	EA	20
383.	CONTACTOR:LC2-D25-01-M5;MOTOR;600 VAC	125766	EA	20
384.	CONTACTOR:LC1D4011M5;MOTOR;600 VAC;60 A	125774	EA	20
385.	CONTACTOR:CA3-72-11;MOTOR;600 VAC;72 A	127795	EA	20
386.	CONTACTOR:3TB4222-0FA,Motor 600VAC	142914	EA	20
387.	CONTACTOR:S-N80;MOTOR;660 VAC;220 VAC;3	142494	EA	20
388.	CONTACTOR:S-N220;MOTOR;660 VAC;220 VAC	142495	EA	20
389.	CONTACTOR:V7-ZC;SACE VACUUM;3.3/6.6 KV	183945	EA	20

390.	COOLER: TYPE: INDOOR AIRCONDITIONER; DIMENSIONS: 443 X 324 X 206 MM; RATING: 400 KW; OEM P/N: CVE40002208000; PANEL MOUNT; FOR 503 PANELS U1-6; COOLING CAPACITY: 360-5600 W ELECTRONIC BOARD XCB + DISPLAY; FOR WALL AND DOOR MOUNTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	0692781	EA	20
391.	DEVICE: TYPE: UNICORN 17 IN; APPLICATION: KEYBOARD AND MOUSE WITH KVM SWITCHES; MODEL NO: 8D IP/16D IP; SINGLE RAIL DEIGN, POWER CONSUMPTION: 9.91 W; KEYBOARD/MOUSE: 106 KEY PS/2 WITH TOUCH PAD; COMBO FREE KVM SWITCH WITH IP MODULE AS SECOND CONSOLE; DIMENSIONS: WD468.9 X LG482.0 X HT440 MM; GROSS WEIGHT: 20.5 KG	0712152	EA	15
392.	FAN, ELECTRIC: TYPE: AXIAL COOLING; POTENTIAL: 380 V; CURRENT: 45 A; REFERENCE NO: HB67/2N; 3PH, SO3 AIR BLOWER; BAU WITH LOOSE IMPELLER AND WITH PEDESTAL; WITHOUT A MOTOR	0040196	EA	10
393.	KIT CONTCT:OUTDOOR;FOR MAIN CONTACTOR	142445	EA	15
394.	KIT CONTCT:CA1480;REPAIR CONTACTOR;3	139039	EA	15
395.	KIT CONTCT:CN1-FC-133;REPAIR CONTACTOR;3	137992	EA	15
396.	LIGHT, INDICATING: TYPE: LED; POTENTIAL: 24 VAC/DC TO 220 VAC; COLOR: RED; TERMINAL: SCREW; SUPPL P/N: 152611P9XLD52611; PILOT	237503	EA	200
397.	NS4_FUSE LINK	237492	EA	15
398.	NS6_FUSE LINK	237496	EA	15
399.	OS100A_FUSE LINK	237509	EA	151
400.	TFP200A_FUSE LINK	237500	EA	5
401.	TIA2A_FUSE LINK	237499	EA	15
402.	TIA32A_FUSE LINK	237508	EA	15
403.	TIA4A_FUSE LINK	237498	EA	15
404.	MECHANISM,LATCH C/W COIL CONTACT CA1-250 – 110VDC Coil	142967	EA	20
405.	MODULE, COMMUNICATION: TYPE: NETWORK; OUTPUT: 24 VDC; SPECIFICATION: EN 60068-2-6; OEM P/N: CX5020-0111; DIMENSION: WD 100MM X HT 106MM X DPT 92MM; PROGRAMMABLE LOGIC CONTROL (PLC); CPU MODULE 1.6GHZ	0647198	EA	25
406.	MODULE, POWER SUPPLY: TYPE: REDUNDANCY; SUPPL P/N: DR-RDN20-20A	0645663	EA	20

407.	MODULE: TYPE: 8 CHANNEL DIGITAL INPUT; INPUT: 3 MA; POWER SOURCE: 24 (-15%/ +20%) V DC; APPLICATION: NETWORK; DIMENSIONS: WD12MM X LG68MM X TH100MM; SPECIFICATION: EN 61131-2 (TYPE 1/3); COMMERCIAL SIZE: 55 G; OEM P/N: EL1008	0711789	EA	15
408.	MODULE: TYPE: 8 CHANNEL DIGITAL OUTPUT; OUTPUT: 8 TERMINALS; POWER SOURCE: 24 (-15%/+20%) V DC; APPLICATION: NETWORK; DIMENSIONS: WD12MM X HT100MM X THK68MM; SPECIFICATION: EN60068-2-6/EN 60068- 2-27 VIBRATION; EN61000-6-2/EN 61000-6-4 EMC IMMUNITY; COMMERCIAL SIZE: 55 G; OEM P/N: EL2008; ETHERCAT TERMINAL; 0.5A	0711791	EA	15
409.	MODULE: TYPE: DUAL DIGITAL; INPUT: 110 V 1 A; OUTPUT: 4-20 MA; POWER SOURCE: 220 VAC 50 HZ; SUPPL P/N: RS485; DTS305; MODEL NO: DTS-DIL-01; REFERENCE NO: DTS3052009090005; INCLUDING 2 X TRANSDUCERS AND 4 X ANALOGUE OUTPUTS AND SOFTWARE COMMUNICATION INTERFACE	0233347	EA	15
410.	MODULE: TYPE: ETHERNET COUPLER; INPUT: 24 VDC; OUTPUT: 24 VDC; SUPPL P/N: EK1100	0595013	EA	15
411.	MODULE: TYPE: PLC BUS EXTENDER; APPLICATION: ETHERCAT EXTENSION; SUPPL P/N: EK1110	0645225	EA	15
412.	BOX,SPREC/SCHUH CONTACTOR CA1-25	142913	EA	15
413.	POWER SUPPLY: INPUT: 24VDC 70MA; OUTPUT VOLTAGE: 5 V; OUTPUT CURRENT: 2 A; DIMENSIONS: WD 10.5 X LG 100 X HT 70 MM; TYPE: TERMINAL; MOUNTING: PE CONTACT; SPECIFICATION: EL9410 BECKHOFF	0645661	EA	15
414.	POWER SUPPLY: INPUT: 85-264 VDC; OUTPUT VOLTAGE: 12 VDC; OUTPUT CURRENT: 7.5 A; DIMENSIONS: WD55MM X HT100MM X ID90MM; CLASSIFICATION: -10 TO +60 DEG C; TYPE: SWITCH MODE; MOUNTING: DIN- RAIL; SPECIFICATION: ROHS COMPLIANT, TUV EN60950-1, UL 508; OEM P/N: MDR-100-12	0711793	EA	15
415.	POWER SUPPLY: OUTPUT VOLTAGE: 24 VDC; OUTPUT CURRENT: 20 A; SUPPL P/N: SDR-480-24	0645662	EA	25
416.	RACK, ELECTRONIC: TYPE: SAM-KR-SVR021; SLOT QUANTITY: 14; DIMENSIONS: HT150 X WD85 X LG190 MM; VOLTAGE: 90-264 V; CURRENT: 8 A; MOUNTING METHOD: CHASSIS; SPECIFICATION: CE/FCC; STANDARD: 240-62581162- EMDAS; 2 X EXTERNAL RS-232, 6X INTERNAL RS-232 2X20 PIN P=2.54, 1X INTERNAL RS-422/485 1X4 PIN P=2.0, 2X EXTERNAL USB 2.0, 2X INTERNAL USB 3.2 GEN1X1, 1XPS/2 1XLPT 2X13PIN P2.54	0712153	EA	20
417.	RELAY CTRL:CAD32M7;10 A;3NO 1NC;220 VAC	126404	EA	20
418.	Thermal overload relay	237526	EA	24
419.	Thermal overload relay	237504	EA	30
420.	Thermal overload relay	237520	EA	30
421.	Thermal overload relay	237525	EA	30

422.	Thermal overload relay	237515	EA	30
423.	Thermal overload relay	237532	EA	30
424.	Thermal overload relay	237505	EA	30
425.	Thermal overload relay	237514	EA	30
426.	Thermal overload relay	237518	EA	30
427.	Thermal overload relay	237530	EA	30
428.	Thermal overload relay	237527	EA	30
429.	Thermal overload relay	237517	EA	30
430.	Thermal overload relay	237529	EA	30
431.	Thermal overload relay	237521	EA	30
432.	Thermal overload relay	237516	EA	30
433.	RELAY 2NO 2NC AC COIL220/240V L-PWR	237513	EA	30
434.	SWITCHGEAR:REVERSING CONTACTOR;24 V;16 A	580389	EA	30
435.	SWITCHGEAR:REVERSING CONTACTOR;24 V;9 A	580390	EA	30
436.	THYRISTOR: TYPE: CONTROL; CURRENT: 600 A; POTENTIAL: 380 V; POWER: 420 KW; MOUNT: SCREW; MANUF P/N: 60000 1537; O-RINGS SEALS; ON THE PRIMARY COOLERS	0528003	EA	30
437.	CT:INSTRUMENT;220 V	0134452	EA	25
438.	CT:INSTRUMENT;600 V;1:1;PRIMARY	0238465	EA	25
439.	CT:INSTRUMENT;600 V;10:1;PRIMARY	0238474	EA	25
440.	CT:INSTRUMENT;600 V;125:1;SMALL RING	0238478	EA	25
441.	CT:INSTRUMENT;600 V;2:1;PRIMARY	0238472	EA	25
442.	CT:INSTRUMENT;600 V;20:1;PRIMARY	0238475	EA	25
443.	Current Transformer Metering 2000/1A	238453	EA	25
444.	CT:INSTRUMENT;600 V;25:1;PRIMARY	0238468	EA	25
445.	CT:INSTRUMENT;600 V;250:1;SMALL RING	0238437	EA	25

446.	CT:INSTRUMENT;600 V;40:1;PRIMARY	0238477	EA	25
447.	Current Transformer Metering 400/1A	238458	EA	25
448.	CT:INSTRUMENT;600 V;5:1;PRIMARY	0238473	EA	25
449.	CT:INSTRUMENT;600 V;50:1;PRIMARY	0238469	EA	25
450.	CT:INSTRUMENT;600 V;75:1;SMALL RING	0238441	EA	25
451.	Current Transformer 7.5/1A Primary Wound	238466	EA	25
452.	Current Transformer Small Ring 100 / 1A	238443	EA	25
453.	Current Transformer Small Ring 150 / 1A	238470	EA	25
454.	CT:INSTRUMENT;PRIM 420 V; SEC 1.425 KV	0130101	EA	25
455.	WIRE ELECT:INSTRUMENT;0.2 MM2;BLUE;CU	0144776	EA	10
456.	WIRE ELECT:INSTRUMENT;0.2 MM2;YELLOW	0144781	EA	10
457.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 250 A; INDUSTRY SIZE: 110 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 175-280 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL85C	0725530	EA	10
458.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 125 A; INDUSTRY SIZE: 45 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 90-110 V; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CK85A	0725693	EA	10
459.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 80 A; INDUSTRY SIZE: 30 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 NO; POLES: 3; OVERLOAD RANGE: 54-65 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL95A	0725692	EA	10
460.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 125 A; INDUSTRY SIZE: 55 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 90-110 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL85B	0725532	EA	10
461.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 25 A; INDUSTRY SIZE: 11 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 21-26 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL25A300M	0726241	EA	10

462.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 50 A; INDUSTRY SIZE: 22 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 NO; POLES: 3; OVERLOAD RANGE: 42-55 A AC; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL06A300T1	0726240	EA	10
463.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 4 A; INDUSTRY SIZE: 1.1 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 VAC; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 2.5-4; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: LVD1/GPD/DO	0723412	EA	10
464.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 80 A; INDUSTRY SIZE: 26 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 42-55 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; MANUF P/N: CL09A	0723413	EA	10
465.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 20 A; INDUSTRY SIZE: 7.5 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 V; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 17.5-22 A; CONNECTION: WITHDRAWABLE UNIT; SPECIFICATION: IEC 60439-1; OEM P/N: CL25A	0723389	EA	10
466.	STARTER, ELECTRIC MOTOR: CONTACT RATING: 50 A; INDUSTRY SIZE: 15 KW; TYPE: DIRECT ON LINE; COIL VOLTAGE: 250 VAC; CONTACT ARRANGEMENT: 3 N/O; POLES: 3; OVERLOAD RANGE: 30 - 45 A; CONNECTION: WITHDRAWABLE UNIT; MANUF P/N: CL06A	0723414	EA	10
467.	CONVERTER: TYPE: DIP PROOF INVERTER; INPUT: 230 V; OUTPUT: 230 V; SPECIFICATION: SEMI F47; RATING: 5.75 KVA; MANUF P/N: 5003-144; MODEL NO: DPI54; NOMINAL CURRENT: 25 A; STORAGE CAPACITOR: 30 MF; MAXIMUM RECOVERY TIME: 1 SEC	0714902	EA	30
468.	KIT: TYPE: VD4 CB MOTOR; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339750R8918; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, FOR CONVERSION IN MOTOR OPERATOR SUPPLY VOLTAGE 220VDC EL	0239735	EA	40
469.	KIT: TYPE: VD4 CB SHUNT OPENING RELEASE; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R2909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239737		40
470.	KIT: TYPE: VD4 CB SHUNT CLOSING RELEASE MC; APPLICATION: MAINTENANCE ISOLATER BOARDS 11 KV; REFERENCE NO: 1VCF339752R6909; 11KV UNIT A AND B BOARDS AND 3.3KV SERVICE BOARDS C AND D, 110VDC	0239739	EA	40
471.	KIT: TYPE: VD4 CB MICRO SWITCH; APPLICATION: SERVICE BOARDS A/C 3.3 KV; REFERENCE NO: 1VBI036449P0100; WITH ROLL	0239745	EA	35
472.	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 250 V; POWER: 400 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: HF400PD; REFERENCE NO: HP/T; GES MOGUL SCREW BASE; 46 DIAMETER X 313MM LONG, GES CAP	146254	EA	2500
473.	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 25 W; POTENTIAL: 240-250 V; BASE: SINGLE CONTACT; COLOR: CLEAR; BULB: 4C CANDELABRA; TUBULAR, 25 X 221MM, 30WATT, 2 SINGLE CONTACT BASE 2XS15	146196	EA	1000

474.	BREAKER, CIRCUIT, LOW VOLTAGE: MOUNT: BACK/DIN RAIL; TYPE: HIGH BREAKING CAPACITY; POLES: 3; CURRENT RATING: 4 A; VOLTAGE PROTECTION LEVEL: 400 V; RATED INSULATION VOLTAGE: 400 V; IMPULSE WITHSTAND VOLTAGE: 8; SHORT TIME CURRENT: 4 A; ULTIMATE SHORT CIRCUIT BREAKING CAPACITY: 52 KA; POLLUTION CLASS: 3 DEG; SPECIFICATION: GPSIM; APPLICATION: MANUAL MOTOR STATER; PROTECTION: MOTOR; SUPPL P/N: 101287GPS1MHAH; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD	0237459	EA	15
475.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 2 KA; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406189MS31W20-A	0237409	EA	15
476.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 400 A; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406177MS31W04-A; TYPE MPACT AIR	0237403	EA	15
477.	BREAKER, CIRCUIT: POTENTIAL: 400-600 VAC; CURRENT: 630 A; POLE: 3; WIDTH: 330 MM; LENGTH: 400 MM; HEIGHT: 370 MM; TYPE: MCB; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 406179MS31W06-A; TYPE MPACT AIR	0237436	EA	15
478.	FUSE: TYPE: LV HRC ELEMENT; CURRENT: 630 A; POTENTIAL: 500 VAC 440 VDC; CONNECTION: BLADE CONTACTS SILVER PLATED; DIMENSIONS: WD 70 X DP 81.5 X HT 147.4 MM; SPECIFICATION: IEC 61346-2; IEC 81346-2; IEC 60269-1; SUPPL P/N: 630NH3B; 3NA3372; SIZE: NH3; OPERATING CLASS = GG; SWITCHING CAPACITY CURENT = 25KA (DC) AND 120KA (AC) POWER LOSS = 45W; TRIPPING RESIDUAL @ CEL = 595.5A	0675749	EA	200
479.	TRANSDUCER: TYPE: CURRENT; INPUT: 1 A; OUTPUT: 4-20 MA; POWER SOURCE: 220 VAC; SUPPL P/N: KA1-A1-A4M-C5-2	0238462	EA	25
480.	TRANSDUCER: TYPE: CURRENT; INPUT: 50 MV; OUTPUT: 4-20 MA; POWER SOURCE: 110 VDC; SUPPL P/N: KZ1-V50M-A4M-C5-4	0238463	EA	25

2.1 Purchaser's design

2.2 Procedure for submission and acceptance of Supplier's design

This is a mandatory requirement of core clause 21.2 and must be addressed. Identify the extent of detail (the particulars) of the Supplier's design which is to be submitted to the Supply Manager for his acceptance. . State requirements for drawings to be prepared by the Supplier.

2.3 Other requirements of the Supplier's design

2.4 Use of Supplier's design

First read core clause 22.1 and then include here the exceptions and other purposes if applicable. If there are none this section could be deleted leaving the core clause to stand.

2.5 Manufacture & fabrication

Although the *Purchaser* does not usually prescribe how the *goods* are to be manufactured and fabricated, if there are any specific requirements they could be stated here.

2.6 Factory acceptance testing (FAT)

Core Clauses 40 and 41 both make reference to the Goods Information regarding tests and inspections. There are often comprehensive requirements for testing at place of manufacture and before delivery. State whether the tests are to be witnessed by the *Supply Manager* or by a testing agency of the *Purchaser's* nomination. Note, *Supplier* may not restrict *Supply Manager's* right to witness tests per clause 25.2

2.7 Other tests and inspections and commissioning in place of use

Describe any other tests and inspections that may be required, specifically in the place of use. If the *Supplier* is to commission the *goods* in the place of use after Delivery, describe the process here. If he is only required to witness and report on the commissioning done by others, this would be included as a service in section 4 below.

2.8 Operating manuals and maintenance schedules

Use this section to describe these requirements. Pay particular attention to when and in what form they are required. Consideration should be given to obtaining operating manuals and maintenance schedules before Delivery of the whole of the *goods* when there is still financial incentive for the *Supplier* to do so.

3 Supply Requirements

Clause 11.2(16) defines Supply Requirements and clause 11.2(8) states that they are part of the Goods Information. They can either be included here or as an Annexure to the Contract Data provided by the *Purchaser* because of their commercial nature. Eskom has chosen to include them in the C1.2a Contract Data, hence include the following text here:

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

These services may include training of the *Purchaser's* staff in the use of the *goods*, supervision of

installation of the *goods* on the *Purchaser's* property and post Delivery commissioning and monitoring of the *goods* in use. Ensure that all items of service specified can be related to an item in the Price Schedule

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- a) The *Supplier* submits a program to the *Supply Manager* as per the agreed lead times during negotiations which covers all milestones of the manufacturing process up to delivery to site.
- b) The *Supplier* shares the program two (2) days after placement of each order to the *Supply Manager* for acceptance
- c) The early warning as per clause 16.1 is used to communicate the changes on agreed delivery schedule/ programme

<i>goods and services</i>	<i>delivery date</i>
Various Electrical Spares	10 working days after purchase order issuance

5.2 Work to be done by the Delivery Date

The agreed delivery date of the goods is the date after all the Quality Control Processes and correction of defects.

5.3 Marking the *goods*

As a minimum, all material shall have a permanent marking that indicates the following information

- a) Name of the manufacturer
- b) Year of manufacture
- c) Unique spare serial number per item
- d) Design standard (code of construction)

NB: for off the shelf goods, a material data sheet with material certs is required

5.4 Constraints at the delivery place and place of use

- a) All deliveries should be arranged to be within Kriel Power Station normal working hours as stipulated in section 3 of this document.
- b) Kriel Power Station site access will be adhered to. The *Supplier* informs the Purchaser timeously to make all necessary arrangement.

5.5 Cooperating with Others

- a) The *Supplier* cooperates with the store's personnel during delivery.
- b) The *Supplier* cooperates with the Purchasers team in ensuring that the goods are delivered in accordance with all requirements.

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

- a) The availability of rigging equipment, cranes or forklift and the relevant operators must be confirmed with the Kriel Power Station (Supply manager) before dispatching the goods.
- b) The Supplier provides offloading people to assist with offloading at receiving. NB: The Supplier offloading team names must be part of the valid approved safety file

5.7 Management meetings

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	Quarterly or as and when urgent need arises	either face to face or virtual at a convenient venue	<i>Purchaser, Supplier, and Cross functional team members</i>
Contract risk reduction or Early warning meeting	When the need arises	TBC	<i>Purchaser, Supplier, and Cross functional team members</i>
Contractor partnership SHEQ meeting	Monthly	TBC	Statutory meeting, Supplier to attend

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.

5.8 Documentation control

All contractual communications will be in the form of properly compiled letters or forms attached to e-mails and not as a message in the email itself.

The manufacturing data books shall be submitted in hardcopy and soft copy format. The following documentation shall form part of the manufacturing data book:

- a. Material Certificates/ data sheets
- b. NDT results certificates where goods have such a requirement such as MPI etc.
- c. Manufacturing QCP's (All fully signed- All goods are accepted and signed off by Employer's QC
- d. Storage and Maintenance procedures

5.9 Health and safety risk management

- a) The *Supplier* complies with Section 10 of Occupational Health and Safety Act (Act No.85 of 1993) when manufacturing any *goods* for this Contract.
- b) The *Supplier* shall comply with Site health and safety requirements for Kriel Power Station when delivering *goods*.
- c) Site Delivery safety requirements to be adhered to - And can be obtained through the *Purchaser's Manager* In line with the SHE specification.
- d) The *Supplier* submits safety file for approval before access is granted.
- e) The *Supplier* maintains the safety file validity in line with Site requirements.

- f) The mode of transport for Delivery should comply with Site requirement in line with issued SHE specification.
- g) *Supplier* to update their safety file yearly and each time they make changes on their staff or personnel.
- h) The *Supplier* ensures that when changing a team member, the new team gets inducted, and all process of safety file approval is adhered to- before gaining access to site.

The *Supplier* shall comply with the health and safety requirements [stated here or contained in Annexure _____ to this Goods Information].

5.10 Environmental constraints and management

The *Supplier* shall comply with the environmental criteria and constraints when doing deliveries at Kriel Power Station premises regarding:

- a) The vehicle used for delivery; by ensuring that there are no oil spillages, and the vehicle emission is not emitting beyond limits.
- b) The material used for supporting the *goods* being delivered are correctly disposed and are without harm to environment. The *Supplier* must comply with site Environmental management plan (EMP) and another requirement.
- c) The *Supplier* complies with Environmental aspect and impact register.
- d) The *Supplier* complies with all site's environmental management procedures, especially the waste management and oil spillages.
- e)

The *Supplier* shall comply with the environmental criteria and constraints [stated here or contained in Annexure _____]

5.11 Quality

- a) The *Supplier* compiles the baseline Quality Control plan
- b) Quality Control Plan (QCP) must be approved by both the *Suppliers*, Eskom engineer and QC inspector before commencing with any deliveries at the beginning of the contract
- c) Material certificates, mechanical testing certificate and NDT certificates should be part of the data package accompanying the QCPs.
- d) All delivered goods will be subjected to QC verification by an Employer's Quality personnel at receiving at per detailed item description found in heading 2 table
- e) The *Supplier* must comply with Eskom's Supply Quality Management Specification (Document No: 240-105658000) and ISO 9001:2015 requirements.
- f) The *Employer* will on frequent basis conduct the *Supplier's* performance/ compliance in accordance to QM 58 and ISO 9001 and NCR will be raised for non-compliance

The *Supplier* shall comply with the quality criteria and constraints contained in Annexure C of the Invitation to Tender

5.12 Invoicing and payment

List the information that is to be shown by the *Supplier* on his invoices. State any other requirements relating to payment. For example:

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 *Purchaser* and include on each invoice the following information:

- 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.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required)

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

5.13 Insurance provided by the *Purchaser*

Not applicable to this contract

5.14 Contract change management

The change management process to be followed as per the core clause 16.1. Any verbal instruction/communication must be backed with a written instruction; the use of minutes, letters or emails is accepted. Any communication must go through the purchaser's manager.

5.15 Provision of bonds and guarantees

Not applicable to this contract

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

Early warning to be given by any of the parties as soon either becomes aware of matters that could increase the total of total prices, delay completion etc. All the compensation events will be implemented through the raising of an early warning. See NEC Core clause 16.1 and 63.1 and 63.2

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

SC does not make use of nominated subcontracting, but the *Purchaser* may list which subcontractors or sub-suppliers the *Supplier* is required to enter into subcontracts with (if any). This is usually only required where plant and materials need to be obtained from a particular supplier or group of suppliers in order to comply with operational standards for the *goods*.

6.1.2 Limitations on subcontracting

The *Purchaser* may require that the *Supplier* must subcontract certain specialised work, or that the *Supplier* shall not subcontract more than a specified proportion of the whole of the contract.

6.1.3 Spares and consumables

Not Applicable to this Contract

6.1.4 Other requirements related to procurement

Other requirements such as ASGISA or socio political enhancements the *Supplier* is to provide as part of Providing the Goods and Services (if any) could be included here.

6.1.5 Cataloguing requirements by the *Supplier*

Not Applicable to this Contract (All items are stock items)

7 List of drawings

7.1 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.

Not Applicable to this Contract

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.

This section could also be compiled as a separate file.
