



NEC3 Supply Contract (SC3)

Between **ESKOM HOLDINGS SOC LIMITED**
(Reg No. 2002/015527/06)

and
(Reg No. _____)

for - **Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station**

Contents:	No of pages
Part C1 Agreements & Contract Data	[•]
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Part C3 Scope of Work	[•]

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PART C1: AGREEMENTS & CONTRACT DATA

Contents:	No of pages
C1.1 Form of Offer and Acceptance	[•]
C1.2a Contract Data provided by the <i>Purchaser</i>	[•]
C1.2b Contract Data provided by the <i>Supplier</i>	[•]
C1.3 Proforma Guarantees	[•]

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 Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station

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	N/A
	Value Added Tax @ 15% is	N/A
	The offered total of the amount due inclusive of VAT is ¹	N/A
	(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*.

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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 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.

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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*

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	<p>X1: Price adjustment for inflation</p> <p>X2: Changes in the law</p> <p>X7: Delay damages</p> <p>Z: Additional conditions of contract</p>
	of the NEC3 Supply Contract (April 2013)	
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Limited (Reg No: 2002/015527/06), a juristic person 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.	+2713 690 0525
	Fax No.	+2786 539 0050
10.1	The <i>Supply Manager</i> is (name):	Vusi Jele
	Address	Duvha Power Station PO Box 2199 Witbank 1035
	Tel	+27 13 690 0164
	Fax	
	e-mail	JeleJV@eskom.co.za
11.2(13)	The <i>goods</i> are	Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station
11.2(13)	The <i>services</i> are	Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station

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11.2(14)	The following matters will be included in the Risk Register	1. Delays due to failed quality tests. 2. Delays due to civil unrests				
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	Part 3: Scope of work				
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	Three working days				
2	The <i>Supplier's</i> 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.	01 April 2024 of as soon as possible thereafter				
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table border="1"> <thead> <tr> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1 Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station</td> <td>As and when required</td> </tr> </tbody> </table>	<i>goods and services</i>	<i>delivery date</i>	1 Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station	As and when required
<i>goods and services</i>	<i>delivery date</i>					
1 Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station	As and when required					
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	Delivery schedule to be submitted one week after order placement				
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	Five working days following the accepted revision to the original program.				
4	Testing and defects					
42	The <i>defects date</i> is	One (1) week following installation and commissioning on site.				
43.2	The <i>defect correction period</i> is	Two (2) weeks (locally, SA)				
	except that the <i>defect correction period</i> for Foreign repairs	Four (4) weeks				
42.2	The <i>defects access period</i> is	Two(2) working days				
	except that the <i>defect access period</i> for Foreign repairs	Foreign repairs are ten (10) days.				
5	Payment					
50.1	The <i>assessment interval</i> is	There will be continuous assessments upon safe delivery of materials to site and having met all the required quality standards and				

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signed off.

51.1	The <i>currency of this contract</i> is the	South African Rands
51.2	The period within which payments are made is	Four (4) weeks after invoice received
51.4	The <i>interest rate</i> is	<p>(i) Zero percent above 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 (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	Damage of goods on transfer of ownership
84.1	The <i>Purchaser</i> provides these insurances from the Insurance Table	See notes about <i>Purchaser</i> provided insurance in Annexure B to this Contract Data
84.1	The <i>Supplier</i> provides these additional insurances	See notes in Annexure B

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84.2	The minimum amount of cover for loss of or damage to any plant and materials provided by the <i>Purchaser</i> is:	The price of contract value
84.2	The minimum limit of indemnity for insurance in respect of 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 for any one event is:	<p>Whatever the <i>Supplier</i> deems necessary in addition to that provided by the <i>Purchaser</i> for any one event with cross liability so that the insurance applies to the Parties separately.</p> <p>However if the <i>Supplier</i> is exposed to damage to the <i>Purchaser's</i> property the cover limit amount is not less than</p> <ul style="list-style-type: none"> • R15 million (fifteen million Rand) for exposure to Generation Division property; • R7.5 million (seven million five hundred thousand Rand) for exposure to Transmission Division property and; <ul style="list-style-type: none"> • R1 million (one million Rand) for exposure to Distribution Division and all other <i>Purchaser's</i> property <p>for any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance.</p>
84.2	The minimum limit of indemnity for insurance in respect of 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 for any one event is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less than R500 000 (five hundred thousand Rand).
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	<p>(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 described in the "Format A" / "Format B" / "Format Dx" {choose the applicable format, then delete the others and this note), insurance policy available on http://www.eskom.co.za/live/content.php?ItemID=9248</p> <p>and</p> <p>(2) for all other existing <i>Purchaser's</i> property the highest applicable deductible (first amount payable) namely:</p> <ol style="list-style-type: none"> 1. R15 million (fifteen million Rand) for Generation Division property; 2. R7.5 million (seven million five hundred thousand Rand) for Transmission Division property and; 3. R1 million (one million Rand) for Distribution Division and all other

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Purchaser's property

See notes in Annexure B

88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	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	Total of the Prices.
88.5	The <i>end of liability date</i> is	Three (3) years after Delivery of the whole of the goods and services.

9 Termination and dispute resolution

94.1	The <i>Adjudicator</i> is (Name)	The person selected from the Panel of Adjudicators listed in Annexure C to this Contract Data by the Party intending to refer a dispute to him.
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 The person or organisation who will choose an arbitrator - if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is	South Africa the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.

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
		0.	
		0.	
		0.	
		0.	
		0.	
		10	non-adjustable
			Index prepared by

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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
		- Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station	The supplier should deliver according to the accepted schedule. 5% of each late delivery per day to a maximum of 20% of the total task order.
Z	The additional conditions of contract are		Z1 to Z12 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 and the Electricity Distribution 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 substantially 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

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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 Ethics

- Z4.1 Any offer, payment, consideration, or benefit of any kind made by the *Supplier*, which constitutes or could be construed either directly or indirectly as an illegal or corrupt practice, as an inducement or reward for the award or in execution of this contract constitutes grounds for terminating the *Supplier's* obligation to Provide the Goods and Services or taking any other action as appropriate against the *Supplier* (including civil or criminal action).
- Z4.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services if the *Supplier* (or any member of the *Supplier* where the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations) is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices.

Such practices include making of offers, payments, considerations, or benefits of any kind or otherwise, whether in connection with any procurement process or contract with the *Purchaser* or other people or organisations and including in circumstances where the *Supplier* or any such member is removed from the an approved vendor data base of the *Purchaser* as a consequence of such practice.

- Z4.3 Notwithstanding the provisions of core clause 90.2, the procedures on termination in terms of this clause are P1, P2 and P3 as stated in the core clause 92 and the amount due is A1 and A3 as stated in core clause 93.

Z5 Confidentiality

- Z5.1 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.
- Z5.2 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*.
- Z5.3 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.
- Z5.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

Z6 Waiver and estoppel: Add to core clause 12.3:

- Z6.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the

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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.

Z8 Provision of a Tax Invoice and interest. Add to core clause 51

- Z8.1 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.
- Z8.2 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.
- Z8.3 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.

Z9 Notifying compensation events

- Z9.1 Delete from the last sentence in core clause 61.3, "unless the *Supply Manager* should have notified the event to the *Supplier* but did not".

Z10 Purchaser's limitation of liability

- Z10.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z10.2 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.

Z11 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":

- Z11.1 or had a judicial management order granted against it.

Z12 Addition to secondary Option X7 Delay damages (if applicable in this contract)

- Z12.1 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.

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Annexure A: Supply Requirements

[Notes: This template is based on the examples given in the NEC3 Supply Contract Guidance Notes pages 15 to 20 inclusive. Please read the Guidance Notes before finalising the information given below. 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 2000² as follows:

Group	Category	Term	Delivery Place
E	departure	EXW	Duvha Power Station
F	main carriage unpaid	FCA, FAS, FOB	
C	main carriage paid	CFR, CIF, CPT, CIP	
D	arrival	DAF, DES, DEQ, DDU 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

² International Chamber of Commerce, Incoterms 2000, Paris, January 2000.

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[Should there be a need to amplify any of the published obligations listed above for the chosen INCOTERM, add them here. Before doing so read SC3 Guidance Notes pages 18 to 20 as well as the cross references to INCOTERMS included in the guidance.]

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

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The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	Timing as stipulated on the section 30.1 above	
2. The requirements for transport are	The mode of road transport to be used	
3. The delivery place is	Duvha Power Station	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Supplier
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	Supplier
For international procurement	Undertake export requirements	N/A
	Undertake import requirements	N/A
5. Information to be provided by the Supplier	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	
	As prescribed on the following documents	
	Annexure A: Works Information	

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

Annexure B: Insurance provided by the *Purchaser*

These notes are provided as guidance to tendering suppliers and the Supplier about the insurance provided by the Purchaser. These notes are not part of this contract.

Transit insurance of goods originating from outside the borders of the Republic of South Africa

For the purpose of supply contracts, the only insurance provided by Eskom (the *Purchaser*) is transit shipment cover, commonly known as Marine Insurance for air, sea, rail and road freight (including local land arrangements) for conveyance of *goods* originating outside RSA. Please consult the website stated below to ascertain whether Format A, Format B or Format Dx is applicable to this contract and then the

- Marine Insurance Policy wording;
- Eskom Shipment Policies and Procedures – note a pre-shipment survey form has to be completed under certain circumstances;
- Marine Claims Handling Procedures – for important shipment actions and claims forms in event of damages to cargo freight via sea, barge, air, road or rail.

For EXW (Ex Works collections) this is of no concern to the *Supplier* but for any other Supply Requirement (such as CIF, DDU, or DDP) the *Supplier* need not provide such insurance even if the INCOTERM requires it and tendering suppliers should 'discount' their prices when tendering to allow for this provision by the *Purchaser* (Eskom).

***Supplier's* liability for damage to the *Purchaser's* property**

Whilst this is a liability the *Supplier* carries and should cover (if he is required to deliver the *goods* to the *Purchaser's* premises) his liability is limited to the amount of cover provided to the *Purchaser* within his assets policy. This amount varies depending on the Division within Eskom to which the *Supplier* is making the delivery. For any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance the *Supplier's* liability would be:

- R15million for Generation Division projects,
- R7.5million for Transmission Division projects or
- R1.0million for Distribution Division projects

All other insurance

As required by clause 84, the *Supplier* provides all other insurance for his risks. The *Supplier* should give further consideration to providing for these additional insurance concepts [for amounts and periods of insurance the *Supplier* deems fit and necessary].

Professional Indemnity: The insurance provided shall indemnify the *Supplier* (and/or his professional consultant) for those sums which the *Supplier* or his consultant shall become legally liable to pay as damages arising from any claim first made against the *Supplier* / consultant and reported to their insurers during the Period of Insurance, directly arising out of any negligent act, error or omission committed or alleged to have been committed by the *Supplier* / consultant in the conduct of **professional services** (for example, design) in connection with this contract.

Products Liability: A special General Liability extension for liability arising out of the *Supplier's* **defective:**

- production and manufacturing process (workmanship or material), or
- product design, or
- warnings, instructions, usage and maintenance manuals and specifications.

For any further explanation of insurance requirements tendering suppliers are advised to consult their brokers or insurers who may in turn contact Eskom Insurance Management Services per contact details provided on the following website:

http://www.eskom.co.za/live/content.php?Item_ID=9248

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Annexure C: The Purchaser's Panel of Adjudicators

The following persons listed in alphabetical order of their surname have indicated their willingness to be included in the *Purchaser's* Panel of Adjudicators. Their CV's may be obtained by using the contact details provided.

Name	Location	Contact details (phone & e mail)
Nigel ANDREWS	Gauteng	+27 11 836-6760 nigela@quoin.net
Andrew BAIRD	Gauteng	+27 11 803 3008 andrewbaird@ecsconsult.co.za
Christopher BINNINGTON	Gauteng	+27 11 888-6141 cdb@bca.co.za
Peter HIGGINS	UK	+44 1293 873 868 peterhiggins@pdconsult.co.uk
Adv. Bruce LEECH	Gauteng	+27 11 290 4000 leech@counsel.co.za
Nigel NILEN	Gauteng	+27 11 465 3601; nilences@global.co.za
Peter THURLOW	Gauteng	+27 11 787 6226 info@thurlowassoc.com

Information about the Panel and appointment of the selected *Adjudicator* is available from Eskom Supply Chain Operations management, by contacting Leighton Itholeng (Tel.: +27 (0)11 800 4031) (Fax :+27 (0)86 668 0419) E-mail : Leighton.Itholeng@eskom.co.za

C1.2 Contract Data

Part two - Data provided by the *Supplier*

Notes to a tendering supplier:

1. Please read both the NEC3 Supply Contract (December 2009) and the relevant parts of its Guidance Notes (SC3-GN)³ in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data
3. Where a form field like this [] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise complete by hand and in ink.

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

Clause	Statement	Data						
10.1	The <i>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:	C2.2 Price Schedule						
11.2(14)	The following matters will be included in the Risk Register	1. Delays due to failed quality tests.						
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are	N/A						
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table border="1"> <thead> <tr> <th></th> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station</td> <td>As and when required</td> </tr> </tbody> </table>		<i>goods and services</i>	<i>delivery date</i>	1	Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station	As and when required
	<i>goods and services</i>	<i>delivery date</i>						
1	Supply and Delivery of Fuses and Various Electrical Spares on an as and when required basis for a period of thirty six (36) months for Duvha Power Station	As and when required						

³ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 011 803 3009 www.ecs.co.za

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31.1	The programme identified in the Contract Data is contained in:	
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%

PART 2: PRICING DATA

NEC3 Supply Contract

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

C2.1 Pricing assumptions

The conditions of contract

How goods and services are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, December 2009 (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>.

Any tax which the law requires the *Purchaser* to pay to the *Supplier* is included in the amount due.

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

Function of the Price Schedule

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

Preparing the *price schedule*

It will be assumed that the tendering supplier has read Pages 11 and 12 and Appendix 5 of the SC3 Guidance Notes before 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.

1 As the *Supplier* has an obligation to correct Defects (core clause 43.1) and there is no compensation event for this unless the Defect was due to a *Supplier's* risk, the lump sum Prices and rates must also

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include for the correction of Defects.

2 If the *Supplier* has decided not to identify a particular item in the *price schedule* at the time of tender the cost to the *Supplier* of doing the work is assumed to be included in, or spread across, the other Prices and rates in the *price schedule* in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices.

3 There is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item of *goods* or *services* 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. See Clause 60.1.

4 Hence the Prices and rates tendered by the *Supplier* in the *price schedule* are inclusive of everything necessary and incidental to Providing the Goods and Services in accordance with the Goods Information, as it was at the time of tender, as well as correct any Defects not caused by a *Purchaser's* risk.

5 The *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event. It should be noted that the list of compensation events includes those arising as a result of a *Purchaser's* risk event listed in core clause 80.1.

Format of the *price schedule*

(From Appendix 5 on page 78 of the SC3 Guidance Notes)

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*

No.	Description	Quantity	Units of Measure
10	FUSE CARTD:10 A;240 VAC;BLADE KNIFE;CER FUSE, CARTRIDGE: CURRENT: 10 A; POTENTIAL: 240 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 14 X LG 50 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: SS10; REFERENCE NO: 5001301	1555	EA
20	FUSE CARTD:16 A;240 VAC;BLADE KNIFE;CER FUSE, CARTRIDGE: CURRENT: 16 A; POTENTIAL: 240 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 14 X LG 50 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: SS16	499	EA
30	FUSE CARTD:4 A;240 VAC;BLADE KNIFE;CER FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 240 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 13.9 X LG 50.8 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: SS4; FUSE, CARTRIDGE; CURRENT 4 A, POTENTIAL 240 VAC, DIMENSIONS DIA 13.9 X LG 50.8 MM, TYPE CURRENT LIMITING, CASE MATERIAL CERAMIC, CONNECTION TYPE BLADE KNIFE, PART NUMBER: SS4~FUSE,CARTD;SS4,4 A,240 VAC,BLADE KNIFE	931	EA
40	FUSE CARTD:4 A;415 VAC;BLADE KNIFE;CER FUSE, CARTRIDGE: CURRENT: 4 A; POTENTIAL: 415 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 14 X LG 60 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: NS4; SUPPLIER NOTE, THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED	4074	EA
50	FUSE CARTD:20 A;415 VAC;BLADE KNIFE;80 FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 13.9 X LG 60.3 MM; INTERRUPT CAPACITY: 80 KA; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SPECIFICATION: BS 88 IEC 60269; SUPPL P/N: NS20; FUSE, CARTRIDGE; CURRENT 20 A, POTENTIAL 415 VAC, DIMENSIONS DIA 13.9 X LG 60.3 MM, TYPE CURRENT LIMITING, CASE MATERIAL CERAMIC, CONNECTION TYPE BLADE KNIFE, PART NUMBER: NS20~FUSE, CARTD; NS20,20 A,415 VAC, CERAMIC; BS 88	789	EA

	OR IEC 60 269 CERTIFIED; FUSE BODY LENGTH 56.4 MM; BREAKING RANGE AND UTILIZATION CATEGORY: GG; SIZE: A3		
60	LINK FUSE:15 A;22 KV LINK, FUSE: CURRENT: 15 A; POTENTIAL: 22 KV; SUPPL P/N: FL3K15R; CAT NO: NY 14760; K	11	EA
70	FUSE CARTD:6 A;500 V;FERRULE;CER FUSE, CARTRIDGE: CURRENT: 6 A; POTENTIAL: 500 V; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 22 X LG 50 MM; TYPE: BOTTLE FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: 5SB131; DIAZED, FLINK	50	EA
80	FUSE CARTD:63 A;415-550 VAC;CER FUSE, CARTRIDGE: CURRENT: 63 A; POTENTIAL: 415-550 VAC; CONNECTION TYPE: SCREW CLAMP CENTER TAGS; DIMENSIONS: DIA 26 X LG 128 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: TBC63; 2 HOLES FIXING; 128 MM LONG BETWEEN HOLES	77	EA
90	FUSE CARTD:80 A;550 VAC;DIA 28 X LG 134 FUSE, CARTRIDGE: CURRENT: 80 A; POTENTIAL: 550 VAC; CONNECTION TYPE: CENTER SCREW CLAMP TAG; DIMENSIONS: DIA 28 X LG 134 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: 50-008-01; HRC, LIST NUMBER 50 008 01	170	EA
100	FUSE CARTD:20 A;415 VAC; 250 VDC;CER FUSE, CARTRIDGE: CURRENT: 20 A; POTENTIAL: 415 VAC; 250 VDC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 14 X LG 55 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: NIT20; TAG ONE SIDE, TWO HOLES	849	EA
110	FUSE CARTD:25 A;415-550 VAC;CER FUSE, CARTRIDGE: CURRENT: 25 A; POTENTIAL: 415-550 VAC; CONNECTION TYPE: SCREW CLAMP OFFSET TAGS; DIMENSIONS: DIA 22 X LG 83 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: A2-25; HRC, LIST NO 50 001 01, TYPE TIA, CLASS Q1, 80	8	EA
111	FUSE CARTD:0.5 A;250 VAC;FERRULE;GLASS FUSE, CARTRIDGE: CURRENT: 0.5 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 6.3 X LG 32 MM; TYPE: FAST BLOW, ONE TIME REJECTION; CASE MATERIAL: GLASS;	8	EA

	SUPPL P/N: 6,3X32; 6.3X32; REFERENCE NO: 19232		
112	FUSE CARTD:300 A;500 VAC;BLADE KNIFE;CER FUSE, CARTRIDGE: CURRENT: 300 A; POTENTIAL: 500 VAC; CONNECTION TYPE: BLADE KNIFE; DIMENSIONS: DIA 58 X LG 150 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; SUPPL P/N: 3NA3250	120	EA
113	FUSE CARTD:315 A;3-3.6 KVAC;FERRULE;CER FUSE, CARTRIDGE: CURRENT: 315 A; POTENTIAL: 3-3.6 KVAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 85 X LG 358 MM; TYPE: FAST BLOW; CASE MATERIAL: CERAMIC; SUPPL P/N: DRVAL6-315S; WITH SPRING LOADED STRIKER PIN	17	EA
114	FUSE CARTD:32 A;500 VAC;SCREW CLAMP;CER FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 500 VAC; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 12 X LG 54 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; SUPPL P/N: NIT32; TAG TYPE, ONE SIDE, TWO HOLES	424	EA
115	WIRE ELECT:FLEXIBLE;SQ 2.5 MM;BLUE;CU WIRE, ELECTRICAL: TYPE: FLEXIBLE; SIZE: SQ 2.5 MM; COLOR: BLUE; STRUCTURE: MULTISTRAND; MATERIAL: CU; INSULATION: SILICON; 100 METRE PER ROLL, WITH SABS MARK OF APPROVAL ON EACH ROLL	3308	EA
116	BASE RLY:11 PIN;400 VAC;10 A BASE, RELAY: TYPE: 11 PIN; POTENTIAL: 400 VAC; CURRENT: 10 A; REFERENCE NO: S411; CONFIGURATION OCTAL, CONNECTION SCREW, FRONT SCREW CONNECTED	233	EA
117	BASE RLY:11 PIN;80 V;10 A BASE, RELAY: TYPE: 11 PIN; POTENTIAL: 80 V; CURRENT: 10 A; REFERENCE NO: RN78725; CONFIGURATION DUAL PINS, CONNECTION PUSH-ON	200	EA
118	BASE RLY:14 PIN;212644-92 BASE, RELAY: TYPE: 14 PIN; REFERENCE NO: 212644-92; CONFIGURATION DUAL INLINE PINS, CONNECTION CLIP-IN	200	EA
119	BASE RLY:8 PIN;250 V;10 A BASE, RELAY: TYPE: 8 PIN; POTENTIAL: 250 V; CURRENT: 10 A; SUPPL P/N: PF08AF; CONFIGURATION PIN, CONNECTION SCREW	200	EA

120	<p>BASE RLY:8 PIN;48 V</p> <p>BASE, RELAY: TYPE: 8 PIN; POTENTIAL: 48 V; REFERENCE NO: K248V7600OHMT18000; CONFIGURATION WEDGE, CONNECTION SOLDER, FOR USE ON TELEPHONE EMERGENCY HOOTER CIRCUITS</p>	200	EA
121	<p>BASE:ARRESTER;WD 21 MM;LG 96 MM;STL</p> <p>BASE: TYPE: ARRESTER; WIDTH: 21 MM; LENGTH: 96 MM; MATERIAL: STL; BASE,SURGEDIRECTR OF7 PRECIPS</p>	200	EA
122	<p>BRUSH ELECT SET:DC DRIVE MOTOR;2;CARBON</p> <p>BRUSH, ELECTRICAL SET: TYPE: DC DRIVE MOTOR; DIMENSIONS: WD 25.4 X LG 35 X THK 9.52 MM; QUANTITY PER SET: 2; MATERIAL: CARBON; GRADE: EG260; DRAWING NO: 13.57/40/A REV 1; FOR USE ON MILL FEEDER MOTORS; CONNECTION: FLEXIBLE SHUNT CABLE LG 75 MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	150	EA
123	<p>BRUSH ELECT SET:DC DRIVE MOTOR;2;PIGTAIL</p> <p>BRUSH, ELECTRICAL SET: TYPE: DC DRIVE MOTOR; DIMENSIONS: WD 12.5 X LG 25 X THK 6 MM; QUANTITY PER SET: 2; CONNECTION: PIGTAIL; MATERIAL: CARBON; GRADE: RE54; DRAWING NO: 41-0162-01/25 REV 1; REFERENCE NO: 1299/4; FOR USE ON WIP SOUTH COLD WATER POLYETECTROLYTE HELIK DRY FEEDER MOTOR AND LIME SILO BELT FEEDER MOTOR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	150	EA
124	<p>BRUSH ELECT:AC GENERATOR;WD 32 MM;LG 64</p> <p>BRUSH, ELECTRICAL: TYPE: AC GENERATOR; WIDTH: 32 MM; LENGTH: 64 MM; THICKNESS: 20 MM; CONNECTION: FLEXIBLE SHUNT CABLE LG 125 MM; MATERIAL: CARBON; GRADE: RE634; SUPPL P/N: 1299/7B; DRAWING NO: 01-1561-00/120 REV 1; FOR USE ON TURBINE GENERATOR VOLTAGE MONITORING MODIFIED BRUSHGEAR; PER SET: 1</p>	150	EA
125	<p>BRUSH ELECT:DC GENERATOR;WD 32 MM;LG 57</p> <p>BRUSH, ELECTRICAL: TYPE: DC GENERATOR; WIDTH: 32 MM; LENGTH: 57 MM; THICKNESS: 20 MM; CONNECTION: FLEXIBLE SHUNT CABLE LG 135 MM; MATERIAL: CARBON; DRAWING NO: 10 REV 1; PER SET: 1</p>	150	EA
126	<p>BRUSH ELECT:DC MOTOR DRIVE;WD 16 MM</p> <p>BRUSH, ELECTRICAL: TYPE: DC MOTOR DRIVE; WIDTH: 16 MM; LENGTH: 40 MM; THICKNESS: 12 MM; CONNECTION: FLEXIBLE SHUNT</p>	150	EA

	CABLE LG 41 MM; MATERIAL: CARBON; 1 PER SET, ICG NO-2 DC		
127	BRUSH ELECT:DC MOTOR DRIVE;WD 32 MM BRUSH, ELECTRICAL: TYPE: DC MOTOR DRIVE; WIDTH: 32 MM; LENGTH: 50 MM; THICKNESS: 12 MM; CONNECTION: CLIP ON TERMINAL; MATERIAL: GRAPHITE; SUPPL P/N: RC73; REFERENCE NO: 1299/28; EARTHING; FOR MOTOR; PER SET: 1	150	EA
128	BRUSH ELECT:DC PUMP MOTOR;WD 16 MM;LG 32 BRUSH, ELECTRICAL: TYPE: DC PUMP MOTOR; WIDTH: 16 MM; LENGTH: 32 MM; THICKNESS: 8 MM; CONNECTION: FLEXIBLE SHUNT CABLE LG 50 MM; MATERIAL: CARBON; SUPPL P/N: 1299/15; DRAWING NO: 01-0700-01/65 REV 1; PLANT/MACHINE: UNIT DIESEL GENERATOR OIL PUMP MOTOR; RATING 0.8KW; GRADE RE28; PER SET: 1	42	EA
129	BRUSH ELECT:DC PUMP MOTOR;WD 20 MM;LG 32 BRUSH, ELECTRICAL: TYPE: DC PUMP MOTOR; WIDTH: 20 MM; LENGTH: 32 MM; THICKNESS: 12 MM; CONNECTION: FLEXIBLE SHUNT CABLE LG 62 MM; MATERIAL: CARBON; GRADE: RE59; DRAWING NO: 01-1192-01/60 REV 1; REFERENCE NO: 1299/14; FOR USE ON E.F.P/DC. LUB OIL PUMP MOTOR 6,9KW (AEG MOTOR); PER SET: 1.	14	EA
130	BRUSH ELECT:EARTHING CIRCUIT;WD 32 MM BRUSH, ELECTRICAL: TYPE: EARTHING CIRCUIT; WIDTH: 32 MM; LENGTH: 64 MM; THICKNESS: 20 MM; MATERIAL: GRAPHITE/SILVER; GRADE: SM9173; SUPPL P/N: EARTH012; DRAWING NO: 012 REV 1; AC GENERATOR, 125 MM LG FLEXIBLE SHUNT CABLE	17	EA
131	BRUSH ELECT:WD 6 MM;LG 15 MM;THK 3 MM BRUSH, ELECTRICAL: WIDTH: 6 MM; LENGTH: 15 MM; THICKNESS: 3 MM; MATERIAL: CARBON; REFERENCE NO: 44A410885G01; CLIP ASSEMBLY; COMPUTER	10	EA
132	BUSHING ELECT COND:3.3 KV;2000 A BUSHING, ELECTRICAL CONDUCTOR: POTENTIAL: 3.3 KV; CURRENT: 2000 A; REFERENCE NO: IT-13; INSULATOR FLANGED	10	EA
133	BUSHING ELECT COND:3.3 KV;500 A BUSHING, ELECTRICAL CONDUCTOR: POTENTIAL: 3.3 KV; CURRENT: 500 A; REFERENCE NO: A16-4; TRANSFORMER	10	EA
134	BUSHING ELECT COND:36 KV;2.2 KA BUSHING, ELECTRICAL CONDUCTOR: POTENTIAL: 36 KV; CURRENT:	10	EA

	2.2 KA; REFERENCE NO: P276140771; INSULATOR FLANGED		
135	BUSHING ELECT COND:INSULATOR BUSHING, ELECTRICAL CONDUCTOR: TYPE: INSULATOR; KV A ILV, FLANGED	10	EA
136	BUSHING ELECT COND:INSULATOR;3.3 KV;2.4 BUSHING, ELECTRICAL CONDUCTOR: TYPE: INSULATOR; POTENTIAL: 3.3 KV; CURRENT: 2.4 KA; MATERIAL: PORCELAIN; TRANSFORMER	10	EA
137	BUSHING ELECT COND:LOW VOLTAGE;1.1 KV BUSHING, ELECTRICAL CONDUCTOR: TYPE: LOW VOLTAGE; POTENTIAL: 1.1 KV; CURRENT: 220 A; REFERENCE NO: R350; TRANSFORMER	5	EA
138	BUSHING ELECT COND:TRF;22 KV;1.6 KA;3 BUSHING, ELECTRICAL CONDUCTOR: TYPE: TRANSFORMER; POTENTIAL: 22 KV; CURRENT: 1.6 KA; LENGTH: 82 MM; SKIRT QUANTITY: 3; REFERENCE NO: P27614118; 3MM; LG BELOW FLANGE 296MM; SKIRT TYPE NORMAL	5	EA
139	BUSHING ELECT COND:TRF;3.3 KV;2000 A BUSHING, ELECTRICAL CONDUCTOR: TYPE: TRANSFORMER; POTENTIAL: 3.3 KV; CURRENT: 2000 A; MATERIAL: PORCELAIN; REFERENCE NO: SP10E3; INSULATOR FLANGED	5	EA
140	CT:660 V;5 VA;ENCAPSULATED;BS S3938 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 105MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 111MM DIA, TOTAL HEIGHT 205MM, CURRENT RATING 1200:1, RING, INDOOR	5	EA
141	CT:1.7-3 KV;10 VA;ENCAPSULATED;PRIMARY TRANSFORMER, CURRENT: POTENTIAL: 1.7-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: ENCAPSULATED; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING HOLE DIMENSIONS 130MM CENTRE TO CENTRE, HOLE SIZE 7MM DIAMETER, TOTAL HEIGHT 120MM, CURRENT RATING 20:1, RING, OUTDOOR	5	EA
142	CT:220-15 VAC;50/100 VA;INSTRUMENT	5	EA

	TRANSFORMER, CURRENT: POTENTIAL: 220-15 VAC; APPARENT POWER: 50/100 VA; TYPE: INSTRUMENT; NO CENTRE TAP ON SECONDARY WINDING, SINGLE INPUT AND OUTPUT ONLY, LOCATION INDOOR		
143	CT:4-16 KV;150 A;15 VA;150:1;10P10 TRANSFORMER, CURRENT: POTENTIAL: 4-16 KV; CURRENT: 150 A; APPARENT POWER: 15 VA; CURRENT RATIO: 150:1; CLASS: 10P10; SUPPL P/N: BP151; ELECTRORESIN; 2 CORE; CORE ONE; RESISTANCE 0.9 OHM; CORE TWO CLASS ONE; VA 10; STC 17.5 KA; 0.5 SECONDS; FOR ASH PUMP SWITCHGEAR * WHITE PHASE; LENGTH 250MM; WIDTH 115MM; HEIGHT 370MM; 200MM ID	5	EA
144	CT:660 V;20 VA;INSTRUMENT;01085/3 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 20 VA; TYPE: INSTRUMENT; REFERENCE NO: 01085/3; RING, CLASS 3, HIGH IMPACT POLYCARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLES DISTANCE 76MM, RING SIZE MUST NOT BE LESS THAN 32MM DIA, CURRENT RATING 400:1, LOCATION OUTDOOR	5	EA
145	CT:660 V;20 VA;INSTRUMENT;1TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 20 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; TYPE: INSTRUMENT; REFERENCE NO: 1; CLASS 1, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 112 X 112MM CENTRE TO CENTRE, MOUNTING HOLE SIZE 12MM DIAMETER WITH CLIP ON LOCKING DEVICE INSIDE THE HOLE, RING SIZES IN STEP FORM FOR THE FOLLOWING BUSBAR SIZES 1. 80 X 25MM HORIZONTAL 2. 60 X 31MM HORIZONTAL 3. 40 X 40MM HORIZONTAL 4. 80 X 25MM VERTICAL 5. 60 X 31MM VERTICAL, CURRENT RATING RATIO 1500:1, RING, INDOOR	5	EA
146	CT:660 V;5 VA;ENCAPSULATED;BS S3938 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 105MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 111MM DIA, TOTAL HEIGHT 205MM, CURRENT RATING 1200:1, RING, INDOOR	5	EA
147	CT:660 V;5 VA;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; TYPE: INSTRUMENT; CL 1, CURRENT RATING 150:5, RING LOCATION: INDOOR	5	EA
148	CT:660 V;5 VA;INSTRUMENT;1178 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5	5	EA

	VA; TYPE: INSTRUMENT; REFERENCE NO: 1178; CLASS 1, RING, HIGH IMPACT POLY CARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, RING SIZE 25MM, CURRENT RATING 75:1, LOCATION OUTDOOR		
149	CT:660 V;5 VA;PRIMARY;INSTRUMENT;0879 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 0879; RING, CLASS 1, HIGH IMPACT POLYCARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE MUST NOT BE LESS THAN 25MM, CURRENT RATING 15:1, LOCATION OUTDOOR	5	EA
150	CT:660-2500 V;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 660-2500 V; TYPE: INSTRUMENT; 10/1A CL 10P10, CURRENT RATING 10:1 LOCATION: INDOOR	5	EA
151	DETECTOR RT:PT100;0-80 DEG C;100 OHM;3 DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-80 DEG C; RESISTANCE: 100 OHM; WIRE: 3; SHEATH MATERIAL: STAINLESS STEEL; HEAD: YES; SUPPL P/N: 6.0B300FS4KH2P; ELEMENT SIZE 6MM DIA X 300MM LG, SPRING LOADED, CERAMIC HEAD, NO HEAD AMPLIFIER INSTRUMENT	5	EA
152	DETECTOR:BATTERY;24 V DC DETECTOR: TYPE: BATTERY; RATING: 24 V DC; REFERENCE NO: 400M/15/7/6; COUNTER TIMER; AUTOMATIC ENGINE STARTER	5	EA
153	DETECTOR:DISPLACEMENT/IMPEDANCE DETECTOR: TYPE: DISPLACEMENT/IMPEDANCE; SUPPL P/N: LR21319; REFERENCE NO: 751CZXX030; DZ6B05; POSITIVE, FOR USE WITH GEC TURBINE SUPERVISORY SYSTEM	5	EA
154	DETECTOR:PHASE FAILURE;110 V AC DETECTOR: TYPE: PHASE FAILURE; RATING: 110 V AC; SUPPL P/N: 946576/1214815; REFERENCE NO: 86VTA,86VTB; TIMER; 0 TO 6 SEC; 2 NORMALLY OPEN AND 2 NORMALLY CLOSED CONTACTS; PLANET DV; FOR USE ON AUTOMATIC VOLTAGE REGULATOR; MVAR MODEL ZVT; REGULATOR CUBICLE	5	EA
155	CLEANER:CONTACT ANTI RUST;AEROSOL CLEANER: TYPE: CONTACT ANTI RUST; FORM: AEROSOL; CONTAINER: CAN 500 G; COMPOUND FOR SWITCHES,CONTACT AND BREAKERS; PACKED 12 PER BOX; SPANJAARD SPARK BRAND ONLY;	32	EA

	REQUIRED THE NEW STANDARD FOR RELIABILITY; MATERIAL SAFETY DATA SHEET POINT 1 TO 16		
156	<p>CONTACTOR:MOTOR;380/440 VAC;220 VAC;62 A</p> <p>CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/440 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 62 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N65-220; 30KW; ENCLOSURE: GENERAL PURPOSE</p>	16	EA
157	<p>CONTACTOR:MOTOR;380 VAC;50 A;3;2NO 2NC</p> <p>CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380 VAC; CURRENT: 50 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N50CX-400; 22KW; WITH COIL; ENCLOSURE: GENERAL PURPOSE</p>	30	EA
158	<p>CONTACTOR:MOTOR;115/600 VAC;110 VAC;55 A</p> <p>CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 115/600 VAC; COIL VOLTAGE: 110 VAC; CURRENT: 55 A; POLE: 1; CONTACT ARRANGEMENT: 1NO; REFERENCE NO: LC1-D123M; 5.5KW; 380VAC; WITH 220VAC COIL; TELEMECANIQUE BRAND; ENCLOSURE: GENERAL PURPOSE</p>	5	EA
159	<p>CONTACTOR:MOTOR;220/600 VAC;220 VAC;350</p> <p>CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 350 A; POLE: 3; ENCLOSURE RATING: GENERAL PURPOSE; CONTACT ARRANGEMENT: 1NO 1NC; REFERENCE NO: 910-338-071-00; LS247; 380VAC; 132KW; TWO SETS OF AUXILIARY CONTACT; FOR USE ON PRECIP RECTIFIER PANELS</p>	47	EA
160	<p>CONTACTOR:CONTROL;220 VAC;75 A;3;GP</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/240/380/440/500/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 75 A; POLE: 3; ENCLOSURE RATING: GENERAL PURPOSE; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: SK-80; 37 KILOWATT</p>	3	EA
161	<p>CONTACTOR:MOTOR;220/660 VAC;220 VAC;200</p> <p>CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 200 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: S-C150; MITSUBISHI BRAND; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	7	EA
162	<p>CLEANER:CONTACT ANTI RUST;AEROSOL</p> <p>CLEANER: TYPE: CONTACT ANTI RUST; FORM: AEROSOL; CONTAINER: CAN 500 G; COMPOUND FOR SWITCHES,CONTACT AND BREAKERS; PACKED 12 PER BOX; SPANJAARD SPARK BRAND ONLY; REQUIRED THE NEW STANDARD FOR RELIABILITY; MATERIAL SAFETY</p>	32	EA

	DATA SHEET POINT 1 TO 16		
163	CLEANER:CONTACT;AEROSOL COMPOUND CLEANER: TYPE: CONTACT; FORM: AEROSOL COMPOUND; CONTAINER: CAN 454 G; REFERENCE NO: LECTRO-KLEEN; DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY; MILLER AND STEPHENSON BRAND ONLY	137	EA
164	CLEANER:CONTACT;SPRAY AEROSOL;CAN 454 G CLEANER: TYPE: CONTACT; FORM: SPRAY AEROSOL; CONTAINER: CAN 454 G; TRADE NAME: SAFEZONE; MANUF P/N: MS-538; RE-NU AND LUBE; DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY	430	EA
165	CLEANER:ETCH;LIQD;CAN 500 ML;GENSTICK CLEANER: TYPE: ETCH; FORM: LIQUID; CONTAINER: CAN 500 ML; TRADE NAME: GENSTICK; REFERENCE NO: UPVC; GENSTICK; FOR USE ON PVC AND UPVC PIPES AND FITTINGS, DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY	4	EA
166	CLEANER:GP;FOAM AEROSOL;CAN 300 G CLEANER: TYPE: GENERAL PURPOSE; FORM: FOAM AEROSOL; CONTAINER: CAN 300 G; TRADE NAME: ESA FLASH; SPRAY ON/WIPE OFF; INDUSTRIAL STRENGTH	50	EA
167	CLEANER:PVC;COMPOUND;CAN 1 L;DURASOL K5 CLEANER: TYPE: PVC; FORM: COMPOUND; CONTAINER: CAN 1 L; TRADE NAME: DURASOL K5; REFERENCE NO: K5; CONFLEX ASB CEMENT, DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY	5	EA
168	CONTACT AUX CONTACT, AUXILIARY: FOR USE ON MITSUBISHI AIR CIRCUIT MODULE AE2500S, END DETAIL DESCRIPTION	4	EA
169	CONTACT AUX:1NO 1NC;250 VAC;35B14002A CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; POTENTIAL: 250 VAC; CONNECTION: CAPTIVE SCREW; REFERENCE NO: 35B14002A; 2 CIRCUIT; 2.5 W	4	EA
170	CONTACT AUX:1NO 1NC;3 A;415 VAC;C32/C63	4	EA

	CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; CURRENT: 3 A; POTENTIAL: 415 VAC; REFERENCE NO: C32/C63; FOR USE ON MERLIN GERIN MAIN CIRCUIT BREAKER; SUPPLY VOLTAGE 220VAC; BREAKING CAPACITY 6AMP		
171	CONTACT AUX:1NO 1NC;6 A;220 VAC CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; CURRENT: 6 A; POTENTIAL: 220 VAC; CONNECTION: CAPTIVE SCREW; SUPPL P/N: 3SB14000A; CIRCUIT: 4	4	EA
172	CONTACT AUX:1NO 1NC;600 VAC;HS107 CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; POTENTIAL: 600 VAC; REFERENCE NO: HS107; BLOCK; FOR AEG CONTACTOR MODEL LS247; FOR PRECIP RECTIFIER PANELS UNITS 1- 6	4	EA
173	CONTACT AUX:1NO 1NC;CAPTIVE SCREW CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; CONNECTION: CAPTIVE SCREW; SUPPL P/N: UA-AX80; 4 CIRCUIT; FOR USE ON MITSUBISHI CONTACTOR MODELS SK80; SK95 AND SK125	4	EA
174	CONTACT AUX:1NO 1NC;CAPTIVE SCREW CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 1NO 1NC; CONNECTION: CAPTIVE SCREW; REFERENCE NO: CA3P-11; 4 CIRCUIT; FOR SPRECHER AND SCHUH CONTACTOR CA3-12-10; SPRECHER AND SCHUH BRAND ONLY	4	EA
175	CONTACT AUX:2NO 1NC;220 VAC CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 2NO 1NC; POTENTIAL: 220 VAC; CONNECTION: CAPTIVE SCREW; REFERENCE NO: UA-AX21; 8 CIRCUIT; FOR USE ON MITSUBISHI CONTACTOR MODELS SK21; SK25; SK35; SK50 AND SK65	4	EA
176	CONTACT AUX:2NO 1NC;CAPTIVE SCREW CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 2NO 1NC; CONNECTION: CAPTIVE SCREW; SUPPL P/N: UA-AX150; 4 CIRCUIT; FOR USE ON MITSUBISHI CONTACTOR MODEL SK150	4	EA
177	CONTACT AUX:2NO 2NC;16 A;690 VAC CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 2NO 2NC; CURRENT: 16 A; POTENTIAL: 690 VAC; CONNECTION: CAPTIVE SCREW; REFERENCE NO: CA3-P-22; 8 CIRCUIT, FOR USE WITH CA3-12 OR CA3-16 CONTACTOR	4	EA

178	CONTACT AUX:4NO;32 A;660 VAC;P-3S10 CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 4NO; CURRENT: 32 A; POTENTIAL: 660 VAC; REFERENCE NO: P-3S10; UC-O10; BANK	4	EA
179	CONTACT AUX:4NO;CAPTIVE SCREW CONTACT, AUXILIARY: CONTACT ARRANGEMENT: 4NO; CONNECTION: CAPTIVE SCREW; REFERENCE NO: CA2-AD; CIRCUIT: 8	4	EA
180	CONTACT AUX:CIRCUIT BREAKER;1NO 1NC;10 A CONTACT, AUXILIARY: TYPE: CIRCUIT BREAKER; CONTACT ARRANGEMENT: 1NO 1NC; CURRENT: 10 A; POTENTIAL: 500 VAC; CONNECTION: CAPTIVE SCREW; REFERENCE NO: 3VE9301-AA00; 4 CIRCUIT; FOR USE ON MOTOR PROTECTION 3VE3000 SERIES	4	EA
181	CONTACT AUX:MOTOR CONTROL;2NO 2NC;4 A CONTACT, AUXILIARY: TYPE: MOTOR CONTROL; CONTACT ARRANGEMENT: 2NO 2NC; CURRENT: 4 A; POTENTIAL: 230 V; MATERIAL: PLASTIC; MANUF P/N: CAL4-11	14	EA
182	CONTACT AUX:MOTOR CONTROL;2NO 2NC;4 A CONTACT, AUXILIARY: TYPE: MOTOR CONTROL; CONTACT ARRANGEMENT: 2NO 2NC; CURRENT: 4 A; POTENTIAL: 230 V; MATERIAL: PLASTIC; MANUF P/N: CAL19-11	14	EA
183	CONTACT AUX:MOTOR CONTROL;3NO 1NC;4 A CONTACT, AUXILIARY: TYPE: MOTOR CONTROL; CONTACT ARRANGEMENT: 3NO 1NC; CURRENT: 4 A; POTENTIAL: 230 V; MATERIAL: PLASTIC; MANUF P/N: CAL19-11B	14	EA
184	CONTACT AUX:RELAY;1NC;10 A CONTACT, AUXILIARY: TYPE: RELAY; CONTACT ARRANGEMENT: 1NC; CURRENT: 10 A	4	EA
185	CONTACT AUX:RELAY;1NO;10 A CONTACT, AUXILIARY: TYPE: RELAY; CONTACT ARRANGEMENT: 1NO; CURRENT: 10 A	4	EA
186	CONTACT AUX:RELAY;1NO;16 A CONTACT, AUXILIARY: TYPE: RELAY; CONTACT ARRANGEMENT: 1NO; CURRENT: 16 A; PRESSURE SPADE TERMINAL	4	EA

187	CONTACT MVEBL:18/420 KVAC;CU;5472853A CONTACT, MOVEABLE: POTENTIAL: 18/420 KVAC; MATERIAL: CU; REFERENCE NO: 5472853A; FOR 560 MVA ASEA GENERATOR TRANSFORMER 18/420KV	4	EA
188	CONTACT MVEBL:500 VAC;2.5 KA CONTACT, MOVEABLE: POTENTIAL: 500 VAC; CURRENT: 2.5 KA; MATERIAL: CU SILVER PLTD; PRECIP BRD	4	EA
189	CONTACT MVEBL:CU SILVER PLTD CONTACT, MOVEABLE: MATERIAL: CU SILVER PLTD; CONNECT; B/BAR FM 3.3KV S/GEAR	4	EA
190	CONTACT MVEBL:CU SILVER PLTD;5472066B CONTACT, MOVEABLE: MATERIAL: CU SILVER PLTD; REFERENCE NO: 5472066B; 700MVA TR	4	EA
191	CONTACT MVEBL:CU SILVER PLTD;5472066C CONTACT, MOVEABLE: MATERIAL: CU SILVER PLTD; REFERENCE NO: 5472066C; 700MVA TR	4	EA
192	CONTACT STNRY:2.5 KA;500 V CONTACT, STATIONARY: CURRENT: 2.5 KA; POTENTIAL: 500 V; MATERIAL: CU SILVER PLTD; PRECI	4	EA
193	CONTACT STNRY:20 A;250 V;STL CONTACT, STATIONARY: CURRENT: 20 A; POTENTIAL: 250 V; MATERIAL: STL; SUPPL P/N: 43150020; MALE INSERT; FOR FOR USE ON ACTUATOR BODY CONNECTOR; CRIMP TERMINAL; ORDER CODE C-ST; 0.7 TO 1MM SQUARE	4	EA
194	CONTACT STNRY:20 A;250 V;STL CONTACT, STATIONARY: CURRENT: 20 A; POTENTIAL: 250 V; MATERIAL: STL; SUPPL P/N: FEMALE INSERT; 43250021; FOR CRIMPING TERMINAL; ORDER CODE C-BU; 0.7 TO 1MM SQUARE; FOR USE ON CABLE ACTUATOR PLUG CONNECTOR	4	EA
195	CONTACT STNRY:700 MVA;CU;5231710A CONTACT, STATIONARY: CURRENT: 700 MVA; MATERIAL: CU; REFERENCE NO: 5231710A; TR	4	EA

196	CONTACT STNRY:CU SILVER PLTD;FQC800TPN CONTACT, STATIONARY: MATERIAL: CU SILVER PLTD; REFERENCE NO: FQC800TPN; FOR USE WITH FUSE SWITCH TYPE FQC 800 TP+N; CONSISTING OF 3X MOUNTING ARM ASSEMBLIES AND 6X FIXED CONTACTS	4	EA
197	CONTACT STNRY:CU;5231710C CONTACT, STATIONARY: MATERIAL: CU; REFERENCE NO: 5231710C; 700MVA TR	4	EA
198	CONTACTOR:220 VAC;1NO CONTACTOR: COIL VOLTAGE: 220 VAC; CONTACT ARRANGEMENT: 1NO; SUPPL P/N: CA3-12; REFERENCE NO: CA3-12-220V50-10	5	EA
199	CONTACTOR:380 VAC;220 VAC;6DT-10060BK CONTACTOR: LINE VOLTAGE: 380 VAC; COIL VOLTAGE: 220 VAC; REFERENCE NO: 6DT-10060BK; ANALOG; FORWARD AND REVERSE; FOR USE ON 50 PCT BLOWDOWN REGULATING VALVES; SIEMENS BRAND	4	EA
1100	CONTACTOR:CONTROL;110 V;220 VAC;20 A;4 CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110 V; COIL VOLTAGE: 220 VAC; CURRENT: 20 A; POLE: 4; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: SR422; RELAY; FOR USE ON 380V BOARDS; MITSUBISHI BRAND; ENCLOSURE: GENERAL PURPOSE	4	EA
1101	CONTACTOR:CONTROL;110/500 VAC;220 VAC;6 CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110/500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 6 A; POLE: 4; REFERENCE NO: 910-332-164-00; LS02; AUXILLIARY RELAY; AEG BRAND; ENCLOSURE: GENERAL PURPOSE; 3PHSE	2	EA
1102	CONTACTOR:CONTROL;110/500 VAC;220 VDC;10 CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110/500 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 10 A; POLE: 4; SUPPL P/N: DILR 22-G(22VDC); FOR USE ON DIESEL GENERATOR; ENCLOSURE: GENERAL PURPOSE	4	EA
1103	CONTACTOR:CONTROL;110/550 VAC;220 VDC;20 CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110/550 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 20 A; POLE: 4; CONTACT ARRANGEMENT: 4NO 4NC; REFERENCE NO: SRD844; RELAY; FOR USE	4	EA

	ON 380V BOARDS; MITSUBISHI BRAND; ENCLOSURE: GENERAL PURPOSE; 3PHSE		
1104	<p>CONTACTOR:CONTROL;110/660 VAC;220 VAC;20</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 20 A; POLE: 8; REFERENCE NO: 910-302-563-00; SH8-44E; AUXILLIARY RELAY; AEG BRAND; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	4	EA
1105	<p>CONTACTOR:CONTROL;110/660 VAC;220 VAC;16</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 110/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 16 A; POLE: 8; CONTACT ARRANGEMENT: 6NO 2NC; REFERENCE NO: 910-302-597-00; SH8-62E; AUXILLIARY RELAY; AEG BRAND; ENCLOSURE: GENERAL PURPOSE</p>	7	EA
1106	<p>CONTACTOR:CONTROL;220 VAC;200 A;2;IP67</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VAC; CURRENT: 200 A; POLE: 2; ENCLOSURE RATING: IP67; REFERENCE NO: 220V-DC 200 AMP; 2XPN1; 190-EA2; B.O.C & POLE 512; 4XGMHZXGM2; GB22; MAGNET EK1; CV1-GB; VARIABLE COMPOSITION BAR MOUNTED; 6 AUXILIARY CONTACT S</p>	4	EA
1107	<p>CONTACTOR:CONTROL;220 VAC;75 A;3;GP</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/240/380/440/500/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 75 A; POLE: 3; ENCLOSURE RATING: GENERAL PURPOSE; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: SK-80; 37 KILOWATT</p>	4	EA
1108	<p>CONTACTOR:CONTROL;220 VDC;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; POLE: 1; ENCLOSURE RATING: OPEN; REFERENCE NO: CV1 GB21</p>	4	EA
1109	<p>CONTACTOR:CONTROL;220 VDC;125 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 125 A; POLE: 1; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM) 1NC(GM2); SUPPL P/N: CV1-GB21; MAGNET EK1 BLOW OUT COIL 512; 1 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA
1110	<p>CONTACTOR:CONTROL;220 VDC;125 A;2;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 125 A; POLE: 2; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO (GM2); REFERENCE NO: CV1-GB22; MAGNET EK1 BLOW OUT COIL 519; 2 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA

1111	<p>CONTACTOR:CONTROL;220 VDC;125 A;2;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 125 A; POLE: 2; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM2) 4NC(GM1); SUPPL P/N: CV1-GB22; MAGNET EK1 BLOW OUT COIL 513; 2 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA
1112	<p>CONTACTOR:CONTROL;220 VDC;13 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 13 A; POLE: 1; ENCLOSURE RATING: OPEN; SUPPL P/N: CV1-FB21</p>	4	EA
1113	<p>CONTACTOR:CONTROL;220 VDC;200 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 200 A; POLE: 1; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 1NC(GM1); SUPPL P/N: CV1-HB21; REFERENCE NO: CV1-HB21; MAGNET EK1 BLOW OUT COIL 513; 1 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA
1114	<p>CONTACTOR:CONTROL;220 VDC;320 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 320 A; POLE: 1; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM2) 1NC(GM1); REFERENCE NO: CV1-JB21; MAGNET EK1 BLOW OUT COIL 513; 1 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA
1115	<p>CONTACTOR:CONTROL;220 VDC;50 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 50 A; POLE: 1; ENCLOSURE RATING: OPEN; REFERENCE NO: CV1-GB21</p>	4	EA
1116	<p>CONTACTOR:CONTROL;220 VDC;64 A;1;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 64 A; POLE: 1; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM2) 1NC(GM1); SUPPL P/N: CV1-FB21; REFERENCE NO: CV1-FB21; MAGNET EK1 BLOW OUT COIL 519; 1 NORMALLY OPEN MAIN POLE (PM1); TELEMECANIQUE BRAND</p>	4	EA
1117	<p>CONTACTOR:CONTROL;220 VDC;64 A;2;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 64 A; POLE: 2; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM2) 4NC(GM1); REFERENCE NO: CV1-FB22; MAGNET EK1 BLOW OUT COIL 519; 2 NORMALLY OPEN MAIN POLES (PM1); TELEMECANIQUE BRAND</p>	4	EA

1118	<p>CONTACTOR:CONTROL;220 VDC;64 A;2;OPEN</p> <p>CONTACTOR: TYPE: CONTROL; COIL VOLTAGE: 220 VDC; CURRENT: 64 A; POLE: 2; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: 2NO(GM2) 4NC(GM1); SUPPL P/N: CV1-FB22; MAGNET EK1 BLOW OUT COIL 514; 2 NORMALLY OPEN MAIN POLES (PM1); TELEMECANIQUE BRAND</p>	4	EA
1119	<p>CONTACTOR:CONTROL;220/500 VAC;220 VAC;10</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 10 A; POLE: 4; REFERENCE NO: CA2-AK4ZM; RELAY; CA2AK4; ENCLOSURE: GENERAL PURPOSE</p>	4	EA
1120	<p>CONTACTOR:CONTROL;220/500 VAC;220 VAC;10</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 10 A; POLE: 4; REFERENCE NO: CA2-AN4ZM; RELAY; CA2AN4; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	4	EA
1121	<p>CONTACTOR:CONTROL;220/600 VAC;220 VAC;10</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 10 A; POLE: 4; REFERENCE NO: CA2AN4-31; RELAY 220V CA2-AN4-31 TELE; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	5	EA
1122	<p>CONTACTOR:CONTROL;220/600 VAC;220 VAC;30</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 30 A; POLE: 4; CONTACT ARRANGEMENT: 3NO 2NC; SUPPL P/N: BBC B9-30-32; 3 POLE; BBC ORDER CODE FPL-142-1001R0326; ENCLOSURE: GENERAL PURPOSE</p>	4	EA
1123	<p>CONTACTOR:CONTROL;220/660 VAC;220 VDC;20</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 20 A; POLE: 4; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: CS3C-22E; RELAY; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	4	EA
1124	<p>CONTACTOR:CONTROL;220/660 VAC;240 VDC;20</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 240 VDC; CURRENT: 20 A; POLE: 4; REFERENCE NO: CS-3C/40E; RELAY; SPRECHER AND SCHUH BRAND; ENCLOSURE: GENERAL PURPOSE</p>	2	EA
1125	<p>CONTACTOR:CONTROL;220/660 VAC;380 VAC;25</p>	3	EA

	<p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 380 VAC; CURRENT: 25 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: DIL-0-22M; KLOCKNER MOELLER BRAND; ENCLOSURE: GENERAL PURPOSE</p>		
1126	<p>CONTACTOR:CONTROL;240/600 VAC;220 VDC;10</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 240/600 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 10 A; POLE: 4; CONTACT ARRANGEMENT: 4NO; SUPPL P/N: KC40E; REFERENCE NO: FPH414-3001-R0405; AUXILIARY; BBC; ENCLOSURE: GENERAL PURPOSE; 3PHSE</p>	2	EA
1127	<p>CONTACTOR:CONTROL;3.3/6.6 KV;400 A;3</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 3.3/6.6 KV; COIL VOLTAGE: CC 220 VAC; TC 220 VDC; CURRENT: 400 A; POLE: 3; SUPPL P/N: CV6H; REFERENCE NO: VC119; VACUUM; 3.3KV; COMPLETE WITH 110VDC COIL; TOYO DENKI BRAND; ENCLOSURE: GENERAL PURPOSE</p>	2	EA
1128	<p>CONTACTOR:CONTROL;380/500 VAC;220 VDC;6</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 380/500 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 6 A; POLE: 4; SUPPL P/N: GHH1316316V0; REFERENCE NO: HSC31; AUXILIARY; BBT; ENCLOSURE: GENERAL PURPOSE</p>	2	EA
1129	<p>CONTACTOR:CONTROL;500 VAC;220 VAC;10 A;2</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 10 A; POLE: 2; REFERENCE NO: CA2AN2; TELEMEC; 110V COIL; ENCLOSURE: GENERAL PURPOSE</p>	4	EA
1130	<p>CONTACTOR:CONTROL;600 VAC;220 VAC;16 A;4</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 16 A; POLE: 4; CONTACT ARRANGEMENT: 2NO 2NC; AUXILIARY; TYPE K22E; BBC ORDER CODE FPH141-1001-R0226; COIL 50HZ; ENCLOSURE: GENERAL PURPOSE</p>	2	EA
1131	<p>CONTACTOR:CONTROL;600 VAC;220 VAC;16 A;8</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 16 A; POLE: 8; REFERENCE NO: DIL08-62D; RELAY; FOR USE ON DIESEL GENERATOR; KLOCKNER-MOELER BRAND; ENCLOSURE: GENERAL PURPOSE</p>	2	EA
1132	<p>CONTACTOR:CONTROL;600 VAC;220 VAC;16 A;8</p> <p>CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 16 A; POLE: 8; CONTACT</p>	2	EA

	ARRANGEMENT: 4NO 4NC; SUPPL P/N: K44E; AUXILIARY; BBC ORDER CODE FPH142-1001-R0446; COIL 50 HZ; ENCLOSURE: GENERAL PURPOSE; 3PHSE		
1133	CONTACTOR:CONTROL;600 VAC;220 VAC;16 A;8 CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 16 A; POLE: 8; CONTACT ARRANGEMENT: 5NO 3NC; SUPPL P/N: K53E; AUXILIARY; BBC ORDER CODE FPH142-1001-R0536; 50HZ; ENCLOSURE: GENERAL PURPOSE	2	EA
1134	CONTACTOR:CONTROL;600 VAC;220 VDC;10 A;4CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 10 A; POLE: 4; REFERENCE NO: CA2-DN222; TIMER; ENCLOSURE: GENERAL PURPOSE	2	EA
1135	CONTACTOR:CONTROL;600 VAC;550 VAC;10 A CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 600 VAC; COIL VOLTAGE: 550 VAC; CURRENT: 10 A; POLE: 10; SUPPL P/N: 4N8; RELAY; LATCHING; 380V COIL; ENCLOSURE: GENERAL PURPOSE; MTE	2	EA
1136	CONTACTOR:MOTOR CONTROL;380 V;230 V;190 CONTACTOR: TYPE: MOTOR CONTROL; LINE VOLTAGE: 380 V; COIL VOLTAGE: 230 V; CURRENT: 190 A; POLE: 3; MANUF P/N: AF190	4	EA
1137	CONTACTOR:MOTOR CONTROL;380 V;230 V;205 CONTACTOR: TYPE: MOTOR CONTROL; LINE VOLTAGE: 380 V; COIL VOLTAGE: 230 V; CURRENT: 205 A; POLE: 3; MANUF P/N: AF205	2	EA
1138	CONTACTOR:MOTOR CONTROL;380 V;230 V;265 CONTACTOR: TYPE: MOTOR CONTROL; LINE VOLTAGE: 380 V; COIL VOLTAGE: 230 V; CURRENT: 265 A; POLE: 3; MANUF P/N: AF265	7	EA
1139	CONTACTOR:MOTOR CONTROL;380 V;230 V;305 CONTACTOR: TYPE: MOTOR CONTROL; LINE VOLTAGE: 380 V; COIL VOLTAGE: 230 V; CURRENT: 305 A; POLE: 3; MANUF P/N: AF305	2	EA
1140	CONTACTOR:MOTOR CONTROL;380 V;230 V;96 A CONTACTOR: TYPE: MOTOR CONTROL; LINE VOLTAGE: 380 V; COIL VOLTAGE: 230 V; CURRENT: 96 A; POLE: 3; MANUF P/N: AF96	9	EA
1141	CONTACTOR:MOTOR;115/600 VAC;110 V;20 A;3 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 115/600 VAC; COIL	2	EA

	VOLTAGE: 110 V; CURRENT: 20 A; POLE: 3; ENCLOSURE RATING: OPEN; CONTACT ARRANGEMENT: OPEN; REFERENCE NO: CR205AP0B; 600V; FOR USE ON HYDROGEN GENERATING PLANT		
1142	CONTACTOR:MOTOR;115/600 VAC;110 VAC;55 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 115/600 VAC; COIL VOLTAGE: 110 VAC; CURRENT: 55 A; POLE: 1; CONTACT ARRANGEMENT: 1NO; REFERENCE NO: LC1-D123M; 5.5KW; 380VAC; WITH 220VAC COIL; TELEMECANIQUE BRAND; ENCLOSURE: GENERAL PURPOSE	2	EA
1143	CONTACTOR:MOTOR;115/600 VAC;220 VDC;35 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 115/600 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 35 A; POLE: 3; REFERENCE NO: DIL0-0-52-C-G; 4KW; WITH 250 OHM RESISTOR; ENCLOSURE: GENERAL PURPOSE	2	EA
1144	CONTACTOR:MOTOR;115/660 VAC;220 VDC;35 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 115/660 VAC; COIL VOLTAGE: 220 VDC; CURRENT: 35 A; POLE: 3; REFERENCE NO: DIL0-11; 7.5KW; 380VAC; COMPLETE WITH 220VAC COIL; KLOCKNER MOELLER BRAND; ENCLOSURE: GENERAL PURPOSEEV; 3PHSE	2	EA
1145	CONTACTOR:MOTOR;220/380 VAC;220 VAC;135 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/380 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 135 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: SK95; SHELL; 55KW; MITSUBISHI BRAND ONLY; ENCLOSURE: GENERAL PURPOSE	3	EA
1146	CONTACTOR:MOTOR;220/500 VAC;220 VAC;80 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 80 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: 3ZX1012-0RT03-1AA1; RATED OPERATIONAL CURRENT AT 380V: 32A; RATED OUTPUT AT 380V: 15KW; SIEMENS; ENCLOSURE: GENERAL PURPOSE	6	EA
1147	CONTACTOR:MOTOR;220/550 VAC;220-240 VAC CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/550 VAC; COIL VOLTAGE: 220-240 VAC; CURRENT: 10 A; POLE: 4; CONTACT ARRANGEMENT: 4NO; REFERENCE NO: 4N8; 01002450025; 50HZ; BREAK BEFORE MAKE; CONVERTIBLE; ENCLOSURE: GENERAL PURPOSE	2	EA
1148	CONTACTOR:MOTOR;220/600 VAC;110 VAC;32 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/600 VAC; COIL	2	EA

	VOLTAGE: 110 VAC; CURRENT: 32 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: LS1722E; E910-302-677-88; AEG; ENCLOSURE: GENERAL PURPOSE; 3PHSE		
1149	CONTACTOR:MOTOR;220/600 VAC;220 VAC;25 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 25 A; POLE: 2; REFERENCE NO: LC2-D099M; FORWARD AND REVERSE; 4KW; ENCLOSURE: GENERAL PURPOSE	2	EA
1150	CONTACTOR:MOTOR;220/600 VAC;220 VAC;350 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 350 A; POLE: 3; ENCLOSURE RATING: GENERAL PURPOSE; CONTACT ARRANGEMENT: 1NO 1NC; REFERENCE NO: 910-338-071-00; LS247; 380VAC; 132KW; TWO SETS OF AUXILIARY CONTACT; FOR USE ON PRECIP RECTIFIER PANELS	47	EA
1151	CONTACTOR:MOTOR;220/660 VAC;110 VAC;20 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 110 VAC; CURRENT: 20 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: E910-302-537-88; LS422E; AUXILIARY CONTACTS 2 NO PART NUMBER HS05.20 AND 2 NC PART NUMBER HS05.22; AEG; ENCLOSURE: GENERAL PURPOSE	2	EA
1152	CONTACTOR:MOTOR;220/660 VAC;110 VAC;200 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 110 VAC; CURRENT: 200 A; POLE: 3; ENCLOSURE RATING: CLOSE; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: S-K150; 75 KW, COIL FITTED	2	EA
1153	CONTACTOR:MOTOR;220/660 VAC;220 VAC;200 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 220/660 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 200 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; REFERENCE NO: S-C150; MITSUBISHI BRAND; ENCLOSURE: GENERAL PURPOSE; 3PHSE	7	EA
1154	CONTACTOR:MOTOR;230/600 VAC;220 VAC;20 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 230/600 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 20 A; POLE: 3; CONTACT ARRANGEMENT: 1NO; REFERENCE NO: CA3-16-220VAC10; ENCLOSURE: GENERAL PURPOSE	3	EA
1155	CONTACTOR:MOTOR;380 VAC;50 A;3;2NO 2NC	30	EA

	CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380 VAC; CURRENT: 50 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N50CX-400; 22KW; WITH COIL; ENCLOSURE: GENERAL PURPOSE		
1156	CONTACTOR:MOTOR;380/440 VAC;220 V;22 A;3 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/440 VAC; COIL VOLTAGE: 220 V; CURRENT: 22 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; MAXIMUM CURRENT RATING: 32 A; SUPPL P/N: S-N21; 11KW; WITH COIL; ENCLOSURE: GENERAL PURPOSE	6	EA
1157	CONTACTOR:MOTOR;380/440 VAC;220 VAC;62 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/440 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 62 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N65-220; 30KW; ENCLOSURE: GENERAL PURPOSE	16	EA
1158	CONTACTOR:MOTOR;380/500 VAC;220 VAC;30 A CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/500 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 30 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N25-220; 15KW; ENCLOSURE: GENERAL PURPOSE	9	EA
1159	CONTACTOR:MOTOR;380/500 VAC;40 A;3 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/500 VAC; CURRENT: 40 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: S-N35CX-400; 18.5KW; WITHOUT COIL; ENCLOSURE: GENERAL PURPOSE	20	EA
1160	CONTACTOR:MOTOR;380/690 VAC;220 VAC;120 CONTACTOR: TYPE: MOTOR; LINE VOLTAGE: 380/690 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 120 A; POLE: 3; SUPPL P/N: S-N125-220; 60KW; ENCLOSURE: GENERAL PURPOSE	2	EA
1161	CONTROLLER:LIFT DOOR DRIVE;-15 TO 50 CONTROLLER: TYPE: LIFT DOOR DRIVE; RANGE: -15 TO 50 DEG C; RATING: 80 W; APPLICATION: OTIS LIFT; OUTPUT: 0-24 V; MOUNTING: SCREW; INPUT: 24 VAC; MANUF P/N: 903510G015-L; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	4	EA
1162	CONTROLLER:LIFT LCB2 BOARD;-15 TO 50 CONTROLLER: TYPE: LIFT LCB2 BOARD; RANGE: -15 TO 50 DEG C; RATING: 110 V; APPLICATION: OTIS LIFT; MANUF P/N: GGA21240D-1;	3	EA

	POWER SOUCE 51KW; DIMENSIONS WD 220 X LG 240 MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		
1163	<p>CONTROLLER:LIFTING CAR;ELEVATOR LIFT CAR</p> <p>CONTROLLER: TYPE: LIFTING CAR; RANGE: 0-128 H2 FREQUENCY; RATING: 180-265 V 3.1 A INPUT; APPLICATION: ELEVATOR LIFT CAR; OUTPUT: 3 A; MOUNTING: BOLTED; INPUT: AC; SUPPL P/N: GBA24350BH 1; SEMICONDUCTOR CONVERTER: TYPE: DCSS5-E, PART NO: GBA2435DBH1P20 PROTECTION; INPUT = 1 PHASE AC 180-265 VAC 3.1 MAX AMPS 3 PHASES OUTPUT; 0-128H2 OUTPUT; 3A MAX OUTPUT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	17	EA
1164	<p>CORD ELECT:EXPANDA</p> <p>CORD, ELECTRICAL: TYPE: EXPANDA; SUPPL P/N: 332825-5025; REFERENCE NO: IK545B; (4) STRANDED COPPER CONDUCTOR SIZE 2.5MM SQUARE, PVC CONDUCTOR INSULATION, SPECIAL RUBBER COVERING, COMPLETE WITH RUBBER MOULD-ON PLUGS ON EACH END, 90 DEGREE CR-49 14/4 TYPE SO, "EPM" INSULATED WITH "HYTREL"SHEATH COILED RETRACTA-FLEX,CONSTRUCTED IN LEFT HAND COILED FORM,COMPLETE WITH MALE AND FEMALE COUPLINGS</p>	193	EA
1165	<p>COVER:LIMIT SWITCH;DIA 135 X LG 245 MM</p> <p>COVER: TYPE: LIMIT SWITCH; DIMENSIONS: DIA 135 X LG 245 MM; MATERIAL: AL CAST; APPLICATION: HOPKINSON ELECTRIC ACTUATOR; REFERENCE NO: 9050</p>	2	EA
1166	<p>COMPRESSOR AIR:20 KV;250 BAR;380 VAC;15</p> <p>COMPRESSOR, AIR: CAPACITY: 20 KV; DISCHARGE PRESSURE: 250 BAR; POTENTIAL: 380 VAC; POWER: 15 KW; SUPPL P/N: SVC 600/250; 3PH, PISTON DISPLACEMENT: 755 1/MIN, FREE AIR DELIVERY: 585 1/MIN, STAGES: 4, CYLINDER: 4, ELECTRIC MOTOR: REVOLUTIONS: 1450 MIN, WEIGHT: 440 KG, LENGTH: 1205 MM, WIDTH: 890 MM, HEIGHT: 925 MM, OIL CAPACITY: 9,51; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	25	EA
1167	<p>COMPRESSOR AIR:52.36 M3/MIN;760 KPA;3.3</p> <p>COMPRESSOR, AIR: CAPACITY: 52.36 M3/MIN; DISCHARGE PRESSURE: 760 KPA; POTENTIAL: 3.3 KVDC; POWER: 300 KW; CURRENT: 58 A; DRIVER: MOTOR; REFERENCE NO: C400; DISCHARGE PRESSURE 760 KPA; INTAKE TEMPERATURE 35 DEG CELSIUS; INLET PRESSURE 0.830 (ABSOLUTE); COUPLING POWER 300KW; HUMIDITY 60%; ROTATING SPEED 2975 RPM; CW TEMPERATURE 27 DEG C; CW FLOW 460 LITRE/MIN; S17200 PLC TO CONTROL COMPRESSOR</p>	2	EA

	<p>DRYER AND COOLING WATER PUMPS; 2 X 380 V COOLING WATER PUMPS INCLUDING GALVANISED CARBON STEEL WATER PIPES; INTAKE AND DISCHARGE GALVANIZED CARBON STEEL PIPEWORK FOR THE COMPRESSOR WITH COMPLETE INTAKE FILTER EQUIPMENT WITH DIFFERENTIAL PRESSURE MONITORING; SERVICE TOOL TO ENABLE UNLIMITED FAULT FINDING ON THE COMPRESSOR; A CT TO BE CONNECTED ON ON PHASE OF POWER CABLE TO CATER FOR 1 AMP INSTEAD OF 5 AMPS; ALL POWER CABLES (COMPRESSOR, PUMPS, SWITCH GEAR TO COMPRESSOR ROOM); COOLING WATER FLOW AND TEMPERATURE TRANSMITTERS; COOLING WATER TEMPERATURE AND PRESSURE GAUGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>		
1168	<p>COMPRESSOR REFRGRTN:AIR CONDITIONING</p> <p>COMPRESSOR, REFRIGERATION: TYPE: AIR CONDITIONING; RATING: 380 V; REFERENCE NO: 754F5; MODEL DMRH 750; DWM COPELAND; FOR LABORATORY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	8	EA
1169	<p>COMPRESSOR REFRGRTN:AIR CONDITIONING;7.2</p> <p>COMPRESSOR, REFRIGERATION: TYPE: AIR CONDITIONING; CAPACITY: 7.2 KW; DRIVER: ELECTRIC; RATING: 240 V; MANUF P/N: E12 821 900; MODEL NO: NN29VBAHT; 2440 W; 2760 KPA; 10.7 AMP; REFRIGERANT R410 A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1170	<p>COMPRESSOR REFRGRTN:CARRIER;25 HP</p> <p>COMPRESSOR, REFRIGERATION: TYPE: CARRIER; CAPACITY: 25 HP; SUPPL P/N: 06EX250660; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	15	EA
1171	<p>COMPRESSOR REFRGRTN:CARRIER;35 HP</p> <p>COMPRESSOR, REFRIGERATION: TYPE: CARRIER; CAPACITY: 35 HP; SUPPL P/N: 06EX275660; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	9	EA
1172	<p>COMPRESSOR REFRGRTN:CENTRIFUGAL;37 KW</p> <p>COMPRESSOR, REFRIGERATION: TYPE: CENTRIFUGAL; CAPACITY: 37 KW; RATING: 380-420 V 91 A; REFERENCE NO: D8RH5000; AIR CONDITIONING, EIGHT CYLINDER, COMPLETE WITH CAPACITY CONTROL, 220 VOLT CRANKCASE HEATER, DIRECT ON LINE, 1450 RPM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER</p>	2	EA

	(IF APPLICABLE).		
1173	<p>COMPRESSOR REFRGRTN:COPELAMETIC;1500 BTU</p> <p>COMPRESSOR, REFRIGERATION: TYPE: COPELAMETIC; CAPACITY: 1500 BTU; MODEL NO: 9RT1-1500-FSM; FOR AIR CONDITIONING AT FIRST AID BUILDING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1174	<p>COMPRESSOR REFRGRTN:HERMETIC SCROLL;34.7</p> <p>COMPRESSOR, REFRIGERATION: TYPE: HERMETIC SCROLL; CAPACITY: 34.7 KW; RATING: 380 V; MODEL NO: ZR160KCE-TFD-523; 3 PHASE; 50HZ; ENCLOSURE IP21(IEC 34); REFRIGERANT R22 AND R407C; BASE MOUNTING HOLES: 190 X 190MM (8.5 MM HOLES) PED CATEGORY 2; THE FOLLOWING ACCESSORIES MUST BE INCLUDED: SUCTION AND DISCHARGE SERVICE VALVE SET RBS 0041, CRANKCASE HEATER 90W EXTERNAL RBS 0043 AND RUBBER MOUNTING GROMMETS; LENGTH 264 MM; WIDTH 285 MM; HEIGHT 552 MM; WEIGHT 64.9 KG; FOR UNIT 4 TO 6 PRECIPITATOR SWITCHGEAR ROOMS AIRCON; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1175	<p>COMPRESSOR REFRGRTN:RECIPROCATING;15.37</p> <p>COMPRESSOR, REFRIGERATION: TYPE: RECIPROCATING; CAPACITY: 15.37 KW; DRIVER: ELECTRIC MOTOR; RATING: 380 V; REFERENCE NO: MT 64 H 4CVE; 3 PHASE, 50 HZ; REFRIGERANT R22 AND R407C; MAX CONTINUOUS CURRENT 15 AMP; LOCK ROTOR CURRENT 67 AMP; FOLLOWING TO BE INCLUDED: SUCTION SERVICE VALVE V07, DISCHARGE SERVICE VALVE V04, THREE MOUNTING GROMMET RUBBERS, CRANKCASE HEATER RDM4400; FOR USE AT INVERTER AIRCON ROOMS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1176	<p>COMPRESSOR REFRGRTN:RECIPROCATING;1/5 HP</p> <p>COMPRESSOR, REFRIGERATION: TYPE: RECIPROCATING; CAPACITY: 1/5 HP; DRIVER: ELECTRIC MOTOR; RATING: 150 W 50 HZ; REFRIGERANT R1349; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1177	<p>COMPRESSOR REFRGRTN:RECIPROCATING;1/8 HP</p> <p>COMPRESSOR, REFRIGERATION: TYPE: RECIPROCATING; CAPACITY: 1/8 HP; DRIVER: ELECTRIC MOTOR; RATING: 220-240 V 1 PH 50 HZ; REFRIGERANT R134A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA

1178	<p>COMPRESSOR REFRGRTN:ROTARY;22000 BTU</p> <p>COMPRESSOR, REFRIGERATION: TYPE: ROTARY; CAPACITY: 22000 BTU; RATING: 220 V AC; TO BE DELIVERED COMPLETE WITH STARTING CAPACITOR; KLIXON THERMO-PROTECTOR; MOUNTING RUBBERS; THE BTU-SIZE MUST BE WRITTEN ON THE COMPRESSOR WITH A WHITE PERMANENT MARKER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	4	EA
1179	<p>COMPRESSOR REFRGRTN:ROTARY;24000 BTU</p> <p>COMPRESSOR, REFRIGERATION: TYPE: ROTARY; CAPACITY: 24000 BTU; RATING: 220 V AC; TO BE DELIVERED COMPLETE WITH STARTING CAPACITOR; KLIXON THERMO-PROTECTOR; MOUNTING RUBBERS; THE BTU-SIZE MUST BE WRITTEN ON THE COMPRESSOR WITH A WHITE PERMANENT MARKER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1180	<p>COMPRESSOR REFRGRTN:ROTARY;9000 BTU</p> <p>COMPRESSOR, REFRIGERATION: TYPE: ROTARY; CAPACITY: 9000 BTU; RATING: 400 V 50 HZ; MODEL NO: TRK5512Y; 3 PHASE; REFRIGERANT R134A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1181	<p>COMPRESSOR REFRGRTN:SCROLL;52000 BTU</p> <p>COMPRESSOR, REFRIGERATION: TYPE: SCROLL; CAPACITY: 52000 BTU; RATING: 380-420 V AC; REFRIGERANT R22; 3 PHASE; VOLUME 14,37 M3/H; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1182	<p>COMPRESSOR REFRGRTN:SCROLL;91500 BTU/HR</p> <p>COMPRESSOR, REFRIGERATION: TYPE: SCROLL; CAPACITY: 91500 BTU/HR; SUPPL P/N: SH105A4ALC; REFERENCE NO: CF2502098515; INPUT 8.472 KW; RATED CURRENT (RLA) 16.7 A; REFRIGERANT OIL CHARGE 3000 ML; PRESSRE LP SIDE 33 BAR; HP SIDE 45 BAR; TEMPERATURE MIN -35 TO 55 DEG C; VOLUME 13.6 LITER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	2	EA
1183	<p>CONE:LG 91 MM;STL;393371-1032</p> <p>CONE: DIMENSIONS: LG 91 MM; MATERIAL: STL; SUPPL P/N: 908904-0032; 341607-1128; REFERENCE NO: 393371-1032; COMPLETE WITH NYLAFLOW TUBING LENGTH 91CM; KNOB; FOR SOOTBLOWER TYPE</p>	34	EA

	IK 545B; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		
1184	CT:0.66 KV;5 VA;ENCAPSULATED;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 0.66 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 105MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 130MM DIA, TOTAL HEIGHT 225MM, CURRENT RATING RATIO: 2000:1, RING, OUTDOOR	2	EA
1185	CT:0.66 KV;7.5 VA;PRIMARY;BS S3938;03991 TRANSFORMER, CURRENT: POTENTIAL: 0.66 KV; APPARENT POWER: 7.5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; WINDING TYPE: PRIMARY; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; REFERENCE NO: 03991; LOCATION OUTDOOR; CLASS 1, ON MOUNTING FEET, MOUNTING BRACKET HOLE DIMENSIONS 102MM CENTRE TO CENTRE, HOLES MUST BE SLOTTED 20MM LONG X 7MM, TOTAL HEIGHT 135MM, CURRENT RATING 5:1, RING	2	EA
1186	CT:0.66-3 KV;1.5 VA;IEC 51;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 1.5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; SPECIFICATION: IEC 51; TYPE: INSTRUMENT; REFERENCE NO: 50-1; 0680; CLASS 3, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, RING SIZE 25MM DIAMETER, CURRENT RATING 50:1, RING, OUTDOOR	2	EA
1187	CT:0.66-3 KV;10 VA;PRIMARY;IEC 51 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; WINDING TYPE: PRIMARY; SPECIFICATION: IEC 51; TYPE: INSTRUMENT; REFERENCE NO: 15-110VA; 0780; LOCATION OUTDOOR; INSULATION LEVEL CLASS 1, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 78MM X 20MM, CURRENT RATING 15:1	2	EA
1188	CT:0.66-3 KV;10 VA;PRIMARY;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 0580; LOCATION OUTDOOR; CLASS 1, HIGH IMPACT; ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE MUST NOT BE LESS THAN 25MM, CURRENT RATING 100:1, RING	2	EA
1189	CT:0.66-3 KV;10 VA;PRIMARY;INSTRUMENT	2	EA

	<p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 1280; LOCATION OUTDOOR; CLASS 1, ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE MUST NOT BE LESS THAN 25M, CURRENT RATING 25:1, RING</p>		
1190	<p>CT:0.66-3 KV;10 VA;PRIMARY;INSTRUMENT</p> <p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 10VA.; LOCATION OUTDOOR; RATIO 10 TO 1AMPS, CLASS 1; ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 78MM X 20MM, ETC ONLY, CURRENT RATING 10:1</p>	2	EA
1191	<p>CT:0.66-3 KV;10 VA;PRIMARY;INSTRUMENT</p> <p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 10 VA; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 40-1A; 0380; EIC 51; CLASS 1, HIGH IMPACT POLY CARBONATE CASE, MOULDED ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 78MM X 20MM, CURRENT RATING 40:1, LOCATION OUTDOOR</p>	2	EA
1192	<p>CT:0.66-3 KV;15 VA;ENCAPSULATED;BS S3938</p> <p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 15 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; REFERENCE NO: AJ-19/1; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 165MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIAMETER, RING SIZE 104MM, TOTAL HEIGHT 210MM, CURRENT RATING 2000:1, RING, OUTDOOR</p>	2	EA
1193	<p>CT:0.66-3 KV;5 VA;ENCAPSULATED;A1-37</p> <p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; TYPE: INSTRUMENT; REFERENCE NO: A1-37; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING HOLE BRACKET DIMENSIONS 130MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 59MM, TOTAL HEIGHT 1225MM, CURRENT RATING RATIO 300:1, RING, OUTDOOR</p>	2	EA
1194	<p>CT:0.66-3 KV;5 VA;ENCAPSULATED;BS S3938</p> <p>TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; REFERENCE NO: 08962/1; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING HOLE DIMENSIONS 130MM CENTRE TO CENTRE, SLOTTED HOLES</p>	2	EA

	20MM, HOLE SIZE 7MM DIA, RING SIZE 59MM DIAMETER, TOTAL HEIGHT 140MM, CURRENT RATING 150:1, RING, OUTDOOR		
1195	CT:0.66-3 KV;5 VA;ENCAPSULATED;BS S3938 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; REFERENCE NO: 3938; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING HOLE DIMENSIONS 115MM CENTRE TO CENTRE, 12MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 46MM, CURRENT RATING 250:1, RING, OUTDOOR	2	EA
1196	CT:0.66-3 KV;5 VA;IEC 51;INSTRUMENT;0579 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; SPECIFICATION: IEC 51; TYPE: INSTRUMENT; REFERENCE NO: 0579; ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE 25MM DIA, CURRENT RATING RATIO 60:1, RING, OUTDOOR	2	EA
1197	CT:0.66-3 KV;5 VA;IEC 51;INSTRUMENT;0580 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; SPECIFICATION: IEC 51; TYPE: INSTRUMENT; REFERENCE NO: 0580; CLASS 3, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, RING SIZE 25MM, CURRENT RATING 100:1, RING, OUTDOOR	2	EA
1198	CT:0.66-3 KV;5 VA;INSTRUMENT;92.273 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; TYPE: INSTRUMENT; REFERENCE NO: 92.273; LOCATION OUTDOOR; CLASS 1; ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, CURRENT RATING 1:1	2	EA
1199	CT:0.66-3 KV;7.5 VA;ENCAPSULATED TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 7.5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; REFERENCE NO: 83-7-CA-7; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 102MM CENTRE TO CENTRE, HOLES MUST BE SLOTTED 20MM LONG X 7MM DIAMETER, RING SIZE 38MM, CURRENT RATING 250:1, OUTDOOR	2	EA
1200	CT:0.66-3 KV;7.5 VA;INSTRUMENT;9-193-54 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 7.5 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; TYPE: INSTRUMENT; REFERENCE NO: 9-193-54; CLASS 3, ON MOUNTING FEET, MOUNTING HOLES DISTANCE 76MM, RING SIZE	2	EA

	MUST BE LESS THAN 25MM DIA, CURRENT RATING RATIO 150:1, RING, LOCATION OUTDOOR		
1201	CT:0.66-3 KV;7.5 VA;PRIMARY;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; APPARENT POWER: 7.5 VA; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 0179; RING, CLASS 1, HIGH IMPACT POLYCARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE MUST NOT BE LESS THAN 25MM, CURRENT RATING 60:1, LOCATION OUTDOOR	2	EA
1202	CT:0.66-3 KV;ENCAPSULATED;BS S3938 TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKET, MOUNTING BRACKET HOLE DIMENSIONS 102MM CENTRE TO CENTRE, HOLES MUST BE SLOTTED 20MM LONG X 7MM DIAMETER, RING SIZE 38MM DIAMETER, CURRENT RATING 100:1, RING, OUTDOOR	2	EA
1203	CT:0.66-3 KV;PC HIGH IMPACT MOLDED CASE TRANSFORMER, CURRENT: POTENTIAL: 0.66-3 KV; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; SPECIFICATION: IEC 51; TYPE: INSTRUMENT; MOUNTING HOLE SIZE 76MM, RING SIZE 25MM, ON MOUNTING FEET, CURRENT RATING RATIO 40:1, RING, LOCATION OUTDOOR	2	EA
1204	CT:1.7-3 KV;10 VA;ENCAPSULATED;PRIMARY TRANSFORMER, CURRENT: POTENTIAL: 1.7-3 KV; APPARENT POWER: 10 VA; INCLOSURE TYPE: ENCAPSULATED; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING HOLE DIMENSIONS 130MM CENTRE TO CENTRE, HOLE SIZE 7MM DIAMETER, TOTAL HEIGHT 120MM, CURRENT RATING 20:1, RING, OUTDOOR	2	EA
1205	CT:220-15 VAC;50/100 VA;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 220-15 VAC; APPARENT POWER: 50/100 VA; TYPE: INSTRUMENT; NO CENTRE TAP ON SECONDARY WINDING, SINGLE INPUT AND OUTPUT ONLY, LOCATION INDOOR	2	EA
1206	CT:4-16 KV;150 A;15 VA;150:1;10P10 TRANSFORMER, CURRENT: POTENTIAL: 4-16 KV; CURRENT: 150 A; APPARENT POWER: 15 VA; CURRENT RATIO: 150:1; CLASS: 10P10; SUPPL P/N: BP151; ELECTRORESIN; 2 CORE; CORE ONE; RESISTANCE 0.9 OHM; CORE TWO CLASS ONE; VA 10; STC 17.5 KA; 0.5 SECONDS; FOR ASH PUMP SWITCHGEAR * WHITE PHASE; LENGTH 250MM;	2	EA

	WIDTH 115MM; HEIGHT 370MM; 200MM ID		
1207	CT:660 V;20 VA;INSTRUMENT;01085/3 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 20 VA; TYPE: INSTRUMENT; REFERENCE NO: 01085/3; RING, CLASS 3, HIGH IMPACT POLYCARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLES DISTANCE 76MM, RING SIZE MUST NOT BE LESS THAN 32MM DIA, CURRENT RATING 400:1, LOCATION OUTDOOR	2	EA
1208	CT:660 V;20 VA;INSTRUMENT;1 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 20 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; TYPE: INSTRUMENT; REFERENCE NO: 1; CLASS 1, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 112 X 112MM CENTRE TO CENTRE, MOUNTING HOLE SIZE 12MM DIAMETER WITH CLIP ON LOCKING DEVICE INSIDE THE HOLE, RING SIZES IN STEP FORM FOR THE FOLLOWING BUSBAR SIZES 1. 80 X 25MM HORIZONTAL 2. 60 X 31MM HORIZONTAL 3. 40 X 40MM HORIZONTAL 4. 80 X 25MM VERTICAL 5. 60 X 31MM VERTICAL, CURRENT RATING RATIO 1500:1, RING, INDOOR	2	EA
1209	CT:660 V;3 VA;PC HIGH IMPACT MOLDED CASE TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 3 VA; INCLOSURE TYPE: PC HIGH IMPACT MOLDED CASE; TYPE: INSTRUMENT; SERIES 1, ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, RING SIZE 31MM X 12MM BUSBAR, CURRENT RATING 100:1, RING, OUTDOOR	2	EA
1210	CT:660 V;5 VA;ENCAPSULATED;BS S3938 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; INCLOSURE TYPE: ENCAPSULATED; SPECIFICATION: BS S3938; TYPE: INSTRUMENT; CLASS 1, HIGH IMPACT RING WITH FIXED MOUNTING BRACKETS, MOUNTING BRACKET HOLE DIMENSIONS 105MM CENTRE TO CENTRE, 20MM LONG SLOTTED HOLES, HOLE SIZE 7MM DIA, RING SIZE 111MM DIA, TOTAL HEIGHT 205MM, CURRENT RATING 1200:1, RING, INDOOR	2	EA
1211	CT:660 V;5 VA;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; TYPE: INSTRUMENT; CL 1, CURRENT RATING 150:5, RING LOCATION: INDOOR	2	EA
1212	CT:660 V;5 VA;INSTRUMENT;1178 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; TYPE: INSTRUMENT; REFERENCE NO: 1178; CLASS 1, RING, HIGH IMPACT POLY CARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLE DIMENSIONS 76MM, RING SIZE 25MM, CURRENT RATING 75:1, LOCATION OUTDOOR	2	EA

1213	CT:660 V;5 VA;PRIMARY;INSTRUMENT;0879 TRANSFORMER, CURRENT: POTENTIAL: 660 V; APPARENT POWER: 5 VA; WINDING TYPE: PRIMARY; TYPE: INSTRUMENT; REFERENCE NO: 0879; RING, CLASS 1, HIGH IMPACT POLYCARBONATE CASE MOULDED ON MOUNTING FEET, MOUNTING HOLES DIMENSIONS 76MM, RING SIZE MUST NOT BE LESS THAN 25MM, CURRENT RATING 15:1, LOCATION OUTDOOR	2	EA
1214	CT:660-2500 V;INSTRUMENT TRANSFORMER, CURRENT: POTENTIAL: 660-2500 V; TYPE: INSTRUMENT; 10/1A CL 10P10, CURRENT RATING 10:1 LOCATION: INDOOR	2	EA
1215	SOLENOID ELECT:196 VDC SOLENOID, ELECTRICAL: COIL VOLTAGE: 196 VDC; TYPE Y4 MILL; 100 PCT EDM 0.14A; 9831; KC3318; KTS G35 A12	2	EA
1216	SOLENOID ELECT:BRAKE;220-240 VAC SOLENOID, ELECTRICAL: DUTY TYPE: BRAKE; COIL VOLTAGE: 220-240 VAC; REFERENCE NO: 01-1-0; UOL 5/10, PACK 1, SIZE 5	2	EA
1217	SOLENOID ELECT:CONTROL VALVE;220 V SOLENOID, ELECTRICAL: DUTY TYPE: CONTROL VALVE; COIL VOLTAGE: 220 V; SUPPL P/N: RF-220V; HIGH FREQUENCY; ID 20 X OD 50 X LG 60 MM; CW SYSTEM AUTO CLOSING VALVE	8	EA
1218	SOLENOID ELECT:DIRECTIONAL CONTROL VALVE SOLENOID, ELECTRICAL: DUTY TYPE: DIRECTIONAL CONTROL VALVE; COIL VOLTAGE: 220 VDC; REFERENCE NO: D16-102; FOR FOUR WAY, MODEL CODE 3D02-34-111-01-01-00A5, 48 WATT, FOR FRF MAIN OIL PUMP	2	EA
1219	SOLENOID ELECT:LEAK OFF VALVE;220-240 SOLENOID, ELECTRICAL: DUTY TYPE: LEAK OFF VALVE; COIL VOLTAGE: 220-240 VAC; TYPE EP200/TS, 3 WAY, 1/4IN BSP	2	EA
1220	SOLENOID ELECT:OPEN/CLOSE;24 VDC SOLENOID, ELECTRICAL: DUTY TYPE: OPEN/CLOSE; COIL VOLTAGE: 24 VDC; MANUF P/N: 163141; REFERENCE NO: CPE18-M1H-3GL-1/4	2	EA
1221	SOLENOID ELECT:OPEN/CLOSE;24 VDC	2	EA

	SOLENOID, ELECTRICAL: DUTY TYPE: OPEN/CLOSE; COIL VOLTAGE: 24 VDC; MANUF P/N: 507848; POWER RATING 30W		
1222	SOLENOID ELECT:OPEN/CLOSE;24 VDC SOLENOID, ELECTRICAL: DUTY TYPE: OPEN/CLOSE; COIL VOLTAGE: 24 VDC; MANUF P/N: 770-224; NOMINAL COIL RESISTANCE 26.2 OHM	2	EA
1223	SOLENOID ELECT:RAPID DRAIN VALVE;24 VDC SOLENOID, ELECTRICAL: DUTY TYPE: RAPID DRAIN VALVE; COIL VOLTAGE: 24 VDC; TYPE DRF035/3-0-10 BAR, COMPLETE WITH GASKETS AND SEALS, FOR R110KGS 3 WAY, FOR USE ON EFP	2	EA
1224	SOLENOID ELECT:UNLOADER VALVE;208-240 SOLENOID, ELECTRICAL: DUTY TYPE: UNLOADER VALVE; COIL VOLTAGE: 208-240 VAC; TYPE ASC, 18VA, IP00-65, FOR USE ON DWM COPELAND COMPRESSORS	2	EA
1225	SOLENOID ELECT:VALVE;208-240 VAC SOLENOID, ELECTRICAL: DUTY TYPE: VALVE; COIL VOLTAGE: 208-240 VAC; SUPPL P/N: 014230 DA001; REFERENCE NO: 014230; DA001; 14WATT, EF-19XM 234, CARRIER MODEL 30HS040 FOR USE ON AIR CONDITIONING PLANT	2	EA
1226	SOLENOID ELECT:VALVE;220 VAC; 24 VDC SOLENOID, ELECTRICAL: DUTY TYPE: VALVE; COIL VOLTAGE: 220 VAC; 24 VDC; SUPPL P/N: 212-A-03.0-B-MS; REFERENCE NO: FLNSCH-F-000; 043949FMLUR; 8 WATT; NOMINAL PRESSURE 0 TO 6 BAR	1691	EA
1227	SOLENOID ELECT:VALVE;220 VDC;5812716 SOLENOID, ELECTRICAL: DUTY TYPE: VALVE; COIL VOLTAGE: 220 VDC; REFERENCE NO: C 80411; 5812716; TYPE 581 2716, BORE 0.75, FOR USE ON LP FEED HEATING	2	EA
1228	SOLENOID ELECT:VALVE;220 VDC;WPSC8321A1 SOLENOID, ELECTRICAL: DUTY TYPE: VALVE; COIL VOLTAGE: 220 VDC; REFERENCE NO: WPSC8321A1; 400-325-153; SPADE PLUG CONNECTION, COMPLETE WITH SPADE PLUG CONNECTOR AND RETAINING CUP, SIZE 44MM HIGH X 43MM WIDE X 35MM LONG, WITH 12MM DIAMETER HOLE IN CENTRE, FOR USE ON WPSC 8321-A1	2	EA
1229	THYRISTOR:SILICON CONTROLLED RECTIFIER	2	EA

	<p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 80 A; INDUSTRY STANDARD: T500084005AQ/7736; REFERENCE NO: T500084005QA/7736; STUD, FOR USE ON BATTERY CHARGER 1DC-0501</p>		
1230	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 1.2 KA; INDUSTRY STANDARD: T500084005AQ/8020; POTENTIAL: 80 V; REFERENCE NO: T500084005AQ8020</p>	2	EA
1231	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 80 A; INDUSTRY STANDARD: T510035007QA/7924; REFERENCE NO: T510035004AQ-7924</p>	2	EA
1232	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 35 A; INDUSTRY STANDARD: ECG4458; POTENTIAL: 800 V; REFERENCE NO: ECG 4458</p>	2	EA
1233	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 35 A; INDUSTRY STANDARD: 16R1A80; SUPPL P/N: 16R1A80; FOR USE ON BATTERY CHARGERS</p>	2	EA
1234	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; INDUSTRY STANDARD: SKT240-12E; REFERENCE NO: SKT240-12E; FOR USE ON AAF PRECIPS</p>	2	EA
1235	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; INDUSTRY STANDARD: GEC430PB; POTENTIAL: 1.2 KV; REFERENCE NO: GE C430PB; C430PB; PRESS PACKAGE OUTLINE NO 307, FOR PHASE CONTROL</p>	2	EA
1236	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p> <p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 275 A; INDUSTRY STANDARD: T500084005AQ/7736; POTENTIAL: 600 V; REFERENCE NO: T50084005AQ7736</p>	2	EA
1237	<p>THYRISTOR:SILICON CONTROLLED RECTIFIER</p>	2	EA

	<p>THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 80 A; INDUSTRY STANDARD: T500128005QY; REFERENCE NO: T500128005QY; T500128005</p>		
1238	<p>THYRISTOR:SYLECG554692C1</p> <p>THYRISTOR: CONTROLLER/POWER CONVERTER MODULE; INDUSTRY STANDARD: SYLECG554692C1; FOR USE ON MILL FEEDER CONTROLLER AND POWER CONVERTOR MODULE 3-Z 3993</p>	2	EA
1239	<p>THYRISTOR:TRIODE;16 A;2N688;400 V</p> <p>THYRISTOR: TYPE: TRIODE; CURRENT: 16 A; INDUSTRY STANDARD: 2N688; POTENTIAL: 400 V; REFERENCE NO: 2N688; STUD, REVERSE BLOCKING</p>	2	EA
1240	<p>TRFR DISTR:STEPDOWN;100 VA;1</p> <p>TRANSFORMER, DISTRIBUTION: TYPE: STEPDOWN; APPARENT POWER: 100 VA; POTENTIAL: 380/415-110/220-240 VAC; PHASE: 1; REFERENCE NO: 11G5CP; FOR USE ON HYDROGEN BOTTLING PLANT</p>	2	EA
1241	<p>TRFR DISTR:STEPDOWN;150 VA;1</p> <p>TRANSFORMER, DISTRIBUTION: TYPE: STEPDOWN; APPARENT POWER: 150 VA; POTENTIAL: PRIM 220; SEC 26/28/30 V; PHASE: 1; FOR LP SERVICES DEMIN PUMP MOTOR CONTROLS</p>	2	EA
1242	<p>TRFR DISTR:STEPDOWN;20 KVA;220-120 V;1</p> <p>TRANSFORMER, DISTRIBUTION: TYPE: STEPDOWN; APPARENT POWER: 20 KVA; POTENTIAL: 220-120 V; PHASE: 1; WINDING TYPE: DOUBLE; REFERENCE NO: 7331; 50HZ, POWER</p>	2	EA
1243	<p>TRFR DISTR:STEPDOWN;380-12 VAC</p> <p>TRANSFORMER, DISTRIBUTION: TYPE: STEPDOWN; POTENTIAL: 380-12 VAC; SUPPL P/N: KS25/34-199; FOR USE ON ANSTAN HUMIDIFIER MODEL KS ON AIR CONDITIONING PLANT</p>	2	EA
1244	<p>WIRE ELECT:FLEXIBLE;SQ 2.5 MM;BLUE;CU</p> <p>WIRE, ELECTRICAL: TYPE: FLEXIBLE; SIZE: SQ 2.5 MM; COLOR: BLUE; STRUCTURE: MULTISTRAND; MATERIAL: CU; INSULATION: SILICON; 100 METRE PER ROLL, WITH SABS MARK OF APPROVAL ON EACH ROLL</p>	3308	EA

PART 3: SCOPE OF WORK

Take note that the speed limit within Duvha Power Station is 40Km/h and all vehicles should be parked in reverse at designated parking areas. The following lifesaving rules also form part of mandatory requirements to anyone entering all Eskom sites.

LIFE-SAVING RULES

Eskom Life-Saving Rules are safety rules which shall not be broken under any circumstances. It must be highlighted that Eskom takes a ZERO TOLERANCE stance to violation of these rules. Life-saving Rules apply to all Eskom employees, agents, consultants, contractors and to any person entering Eskom sites.

Rule 1: Open, Isolate, test, earth, bond, and/or insulate before touch

Rule 2: Hook up at height

Rule 3: Buckle up

Rule 4: Be sober

Rule 5: Ensure you have a permit to work

Rule 6: Report all injuries

Rule 7: Wear correct PPE at all times

Safety is a priority for Eskom. You are expected to develop a clear understanding of the rules and to apply them at all times. You are required to actively subscribe to these rules. Adherence to safety rules is a condition of employment.

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

REFER TO: price schedule