



NEC3 Supply Contract (SC3)

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

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

for **SUPPLY AND DELIVERY OF LOW VOLTAGE MOTORS, AS
STOCK ITEMS ON AN "AS AND WHEN" REQUIRED BASIS FOR
A PERIOD OF FIVE YEARS AT KRIEL POWER STATION, MAIN
STORES.**

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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Offer

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

SUPPLY AND DELIVERY OF LOW VOLTAGE MOTORS, AS STOCK ITEMS ON AN "AS AND WHEN" REQUIRED BASIS FOR A PERIOD OF FIVE YEARS AT KRIEL POWER STATION, MAIN STORES.

The tenderer, identified in the Offer signature block, has.

<i>either</i>	examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

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

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

This Offer may be accepted by the *Purchaser* by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Supplier* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

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

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

Acceptance

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

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Goods Information including Supply Requirements

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Purchaser during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Purchaser's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

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

Signature(s)

Name(s)

Capacity

for the
Purchaser

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

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

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

Note:

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

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

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

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

For the tenderer:**For the *Purchaser***

Signature

Name

Capacity

On behalf
of

(Insert name and address of organisation)

Name &
signature
of witness

Date

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

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	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		X17: Low performance damages
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ¹	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	017 615 2530
	Fax No.	Not applicable
10.1	The <i>Supply Manager</i> is (name):	Samuel Mophuting
	Address	Eskom Holdings SOC Limited Kriel Power Station Generation, Group, Cluster 3 Ogies/Bethal Road, Kriel
	Tel	017 615 2008
	Fax	Not applicable
	e-mail	MophutSP@eskom.co.za
11.2(13)	The <i>goods</i> are	Low Voltage Motors
11.2(13)	The <i>services</i> are	Not applicable

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

11.2(14)	The following matters will be included in the Risk Register	<ul style="list-style-type: none">- Any matter that has cost implication outside agreed terms.- Any matter that may cause delay in the delivery.- Any quality related issues.- Any matter that deviates from the specification.- Any force majeure issues such as protests, covid restrictions.				
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.				
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data				
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	Within 24 hours after notification of communication.				
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.	Contract signature date (date of the last party signing the contract)				
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<table><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr><tr><td>1 Low Voltage Motors</td><td>In 7 days, including weekends and holidays</td></tr></table>	<i>goods and services</i>	<i>delivery date</i>	1 Low Voltage Motors	In 7 days, including weekends and holidays
<i>goods and services</i>	<i>delivery date</i>					
1 Low Voltage Motors	In 7 days, including weekends and holidays					
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	[no data required]				
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	Within two (2) days after order placement and to fit within the delivery times after order placement as per 30.1				
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	Two (2) working days following the accepted revision to the first programme and the delivery times after order placement as per 30.1				
4	Testing and defects					
42	The <i>defects date</i> is	52 weeks after installation in a plant				
43.2	The <i>defect correction period</i> is	3 days (supplier's fault				
	except that the <i>defect correction period</i> for	Purchaser's fault is 5 days				

	and the <i>defect correction period</i> for	Not applicable
42.2	The <i>defects access period</i> is	1 day
	except that the <i>defect access period</i> for	Purchaser's fault is 2 days
	and the <i>defect access period</i> for	Not applicable
5	Payment	
50.1	The <i>assessment interval</i> is	After delivery and QC acceptance of the goods
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	4 weeks.
51.4	The <i>interest rate</i> is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.</p>
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	- Termination of the contract due to Failure to adhere to the terms/clauses of the contract by the supplier.
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 and</p> <p>(2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date</p>
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	The total value of the defects quote/ Prices
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	The total of the Prices
88.5	The <i>end of liability date</i> is	1 year after Delivery of the <i>goods</i>.
9	Termination and dispute resolution	
94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	To be known once the dispute arises
	Tel No.	To be known once the dispute arises
	Fax No.	To be known once the dispute arises
	e-mail	To be known once the dispute arises
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	South Africa

	The person or organisation who will choose an arbitrator		the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.	
	<div><div>- if the Parties cannot agree a choice or</div><div>- if the arbitration procedure does not state who selects an arbitrator, is</div></div>			
10	Data for Option clauses			
X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	Base date is one month before the closing date.(CPA claim will be applicable 12 months after contract start date)		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		0.58	Labour Hourly C3	SEIFSA
		0.27	Transport L2(A)	SEIFSA
		0.15	non-adjustable	
		1.00		
X2	Changes in the law			
X2.1	A change in the law of	South African Law		
X7	Delay damages			
X7.1	Delay damages for Delivery are	Delivery of		amount per day
		1. Low Voltage Motors		5% per day of the total purchase order value.
X17	Low performance damages			
X17.1	The amounts for low performance damages are:	amount		performance level
		R20 000.00		Not adhering to the period for reply stated 13.3 core clause.
		10% of the item with defects		For not adhering to defects period stated 43.2 and 42.2 core clauses.
Z	The <i>additional conditions of contract</i> are			
	Z1 to Z15 always apply for Eskom			

Z1 Cession delegation and assignment

Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person

without the written consent of the *Purchaser*.

- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.

Z2 Joint ventures

- Z2.1 If the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

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

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the *Purchaser* may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.
- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

Z4 Confidentiality

- Z4.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which

it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.

Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.

Z4.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

Z5 Waiver and estoppel: Add to core clause 12.3:

Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Supply Manager* or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

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

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

Without limitation the *Supplier*:

- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of supply and
- undertakes, in and about the execution of the supply, to comply with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Supplier*, in and about the execution of the supply, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z7 Provision of a Tax Invoice and interest. Add to core clause 51

Z7.1 Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.

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

Z7.3 The *Supplier* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

Z8 Notifying compensation events

- Z8.1 Delete from the last sentence in core clause 61.3 the words, "unless the event arises from the *Supply Manager* giving an instruction, changing an earlier decision or correcting an assumption".

Z9 Purchaser's limitation of liability

- Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

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

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

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

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

Z12 Ethics

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

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

- Z12.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z12.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Purchaser* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Purchaser* can terminate the *Supplier's* obligation to Provide the Services for this reason.
- Z12.3 If the *Purchaser* terminates the *Supplier's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.
- Z12.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* ensures that the Committing Party co-operates fully with an investigation.

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover 84

- 84.1** When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.
- 84.2** The *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the *starting date* until the last *defects date* or a termination certificate has been issued.

INSURANCE TABLE A

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

Z 13.2 Replace core clause 87 with the following:**Insurance by the Purchaser**

87

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

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

Nuclear Material Damage Terrorism	Per the insurance policy document
--------------------------------------	-----------------------------------

Z14 Nuclear Liability

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

Z15 Asbestos

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

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

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

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

SANAS means the South African National Accreditation System.

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

Z15.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.

Z15.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are effected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier's* expense. For the purposes of compliance the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.

Z15.3 The *Purchaser* manages asbestos and ACM according to the Standard.

Z15.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.

Z15.5 The *Supplier's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.

Z15.6 The *Supplier* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations.

Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Purchaser* at the *Purchaser's* expense, and conducted in line with South African legislation.

Annexure A: Supply Requirements

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

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010² as follows:

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

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

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

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

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

A	The <i>Supplier's</i> obligations	B	The <i>Purchaser's</i> obligations
A1	Provision of goods in conformity with contract	B1	Payment of the price
A2	Licences, authorisations and formalities	B2	Licences, authorisations and formalities
A3	Contracts of carriage and insurance	B3	Contracts of carriage and insurance
A4	Delivery	B4	Taking delivery
A5	Transfer of risks	B5	Transfer of risks
A6	Division of costs	B6	Division of costs
A7	Notice to the buyer	B7	Notice to the seller
A8	Proof of delivery, transport document or equivalent electronic message	B8	Proof of delivery, transport document or equivalent electronic message
A9	Checking - packing - marking	B9	Inspection of goods
A10	Other obligations	B10	Other obligations

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

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

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

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	[State the constraints on how the <i>Supplier</i> manufactures, prototypes, tests and stores the <i>goods</i> including order and timing]	
2. The requirements for transport are	[State the extent to which the <i>Supplier</i> transports the <i>goods</i> and the mode of transport]	
3. The delivery place is	[State the location where the <i>goods</i> are to be placed by the <i>Supplier</i> , such as whether it is a dispatch department at the <i>Supplier's</i> premises, the <i>Purchaser</i> is to collect or other location the <i>Purchaser</i> may require. If the delivery place for the <i>services</i> is different to the <i>goods</i> state it here]	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	
	Checking packing and marking before dispatch	
	Contracting for transport	
	Pay costs of transport	
	Arrange access to delivery place	
	Loading the <i>goods</i>	
	Unloading the <i>goods</i>	
For international procurement	Undertake export requirements	
	Undertake import requirements	
5. Information to be provided by the <i>Supplier</i>	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
For international procurement	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

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

C1.2 Contract Data

Part two - Data provided by the *Supplier*

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

Clause	Statement	Data												
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.													
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:													
11.2(11)	The tendered total of the Prices is	R , (in words)												
11.2(12)	The <i>price schedule</i> is in:													
11.2(14)	The following matters will be included in the Risk Register													
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are													
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table><thead><tr><th></th><th><i>goods and services</i></th><th><i>delivery date</i></th></tr></thead><tbody><tr><td>1</td><td>[•]</td><td>[•]</td></tr><tr><td>2</td><td>[•]</td><td>[•]</td></tr><tr><td>3</td><td>[•]</td><td>[•]</td></tr></tbody></table>		<i>goods and services</i>	<i>delivery date</i>	1	[•]	[•]	2	[•]	[•]	3	[•]	[•]
	<i>goods and services</i>	<i>delivery date</i>												
1	[•]	[•]												
2	[•]	[•]												
3	[•]	[•]												
31.1	The programme identified in the Contract Data is contained in:													
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%												
Capacitating														

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title	No of pages
	This cover page	1
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	14

C2.1 Pricing assumptions

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

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

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

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

2. Function of the Price Schedule

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

3. Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule*

across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;

- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

3.1. Format of the *price schedule*

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

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

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

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

C2.2 the *price schedule*

SUPPLY AND DELIVERY OF LOW VOLTAGE MOTORS, AS STOCK ITEMS ON AN "AS AND WHEN" REQUIRED BASIS FOR A PERIOD OF FIVE YEARS AT KRIEL POWER STATION, MAIN STORES.				
Material No:	Description	QTY	Rate	TOTAL
140197	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 2800 RPM; FRAME: D562/45; CURRENT: 1.4-0.8 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 15 X LG 22 MM; PHASE: 3; REFERENCE NO: D562/45; 50 HZ	25		
141245	MOTOR, ELECTRIC: POWER: 0.25 HP; SPEED: 1425 RPM; FRAME: 5K42DG5096; CURRENT: 0.83 A; POTENTIAL: 380 VAC; REFERENCE NO: 5K42DG5096	25		
141277	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1410-1425 RPM; FRAME: DY80D; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 19.5 X LG 38 MM; PHASE: 3; REFERENCE NO: 80-4; 6 A, FEMCO, CONNECTION STAR, 50 HZ	25		
141220	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1390-1680 RPM; FRAME: 63B4; CURRENT: 1.1-0.63 A; POTENTIAL: 220/440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 11 X LG 23 MM; POLES: 4; PHASE: 3; GIEM GRUPPO INDUSTRIALE ERCOLE, FOR GUNBLOWERS, CONNECTION DELTA/STAR, 50/60HZ	25		
141249	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1410 RPM; FRAME: KOD446AMAWKRDS36; CURRENT: 0.59 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 10 X LG 22 MM; REFERENCE NO: KOD446; GEORGI KOBALT, CONNECTION DELTA/STAR, 50 HZ	25		
141248	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1425 RPM; FRAME: 71-4; CURRENT: 0.47 A; POTENTIAL: 380 VAC; 1380 RPM, FEMCO	25		
186208	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 2740 RPM; FRAME: 63M; CURRENT: 1.5 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 11 MM; INSULATION CLASS: F; SERVICE FACTOR: 0.72; FOR DA DOSING PUMP AT UNIT 1-6, CONNECTION DELTA	25		
141297	MOTOR, ELECTRIC: POWER: 0.27 KW; SPEED: 1750-3350 RPM; FRAME: QUG71M2; CURRENT: 0.7-1.2 A; POTENTIAL: 240/415 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 14 X LG 24 MM; PHASE: 3; BBC, 50/60 HZ	25		
140627	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1390 RPM; FRAME: 90S-4; CURRENT: 2.8 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP44; SHAFT SIZE: DIA 24 X LG 48 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71; 0.25 KW, 1350 RPM, 0.87 A, PEDESTAL MOUNTED, GEC, 50 HZ	25		
215853	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 1310 RPM; CURRENT: 1.45-0.83 A; POTENTIAL: 230/400 VAC; MOUNTING: FLANGE B5; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 11 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: HA20458/42882; CONNECTION STAR, 50 HZ	25		
141206	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 1350 RPM; FRAME: 71A4; CURRENT: 0.87 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 10 X LG 22 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71A4; FEMCO, 50 HZ	25		

140625	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1390 RPM; FRAME: HEUA80LRA; CURRENT: 1.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 90 MM; CONNECTION LOCATION: TERMINAL; REFERENCE NO: HEUA80LR4; BBC	25		
141228	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1425 RPM; FRAME: 1651; CURRENT: 14 A; POTENTIAL: 380/440 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TETM; SHAFT SIZE: DIA 15 X LG 50 MM; INSULATION CLASS: E; PHASE: 3; 1 A, 50 HZ	25		
140622	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1370 RPM; FRAME: 71-4; CURRENT: 0.86 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: 71-4	25		
140628	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1370 RPM; FRAME: 71B4; CURRENT: 1.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 14 X LG 34 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71B4; PEDESTAL MOUNTED; GEC; 50 HZ	25		
141287	MOTOR, ELECTRIC: POWER: 0.3 KW; SPEED: 3000 RPM; FRAME: MKH94X007; CURRENT: 3.1 A; POTENTIAL: 220 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 10 X LG 24 MM; J WILLISOHN	25		
141223	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1380/1660 RPM; FRAME: D71D4; CURRENT: 1.9-1.1 A; POTENTIAL: 220/440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 14 X LG 24 MM; REFERENCE NO: D71D4; CONNECTION DELTA/STAR	25		
141213	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1400 RPM; FRAME: DY612; CURRENT: 1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 15.5 X LG 47 MM; REFERENCE NO: DY612; MINI	25		
141296	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 900 RPM; FRAME: HEUB806L; CURRENT: 3.1-0.78 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 40 MM; INSULATION CLASS: E; BBC	25		
141286	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 930 RPM; FRAME: MT80S; CURRENT: 2.4 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 19 X LG 40 MM; REFERENCE NO: MT80S	25		
140017	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 2820 RPM; FRAME: DC617; CURRENT: 4.8 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 15.5 X LG 47 MM; PHASE: 1; REFERENCE NO: DC617; 50 HZ	25		
182996	BLOWER: TYPE: AIR; SIZE: 50 MM; POTENTIAL: 380 V; CURRENT: 2.7 A; SUPPL P/N: A255/11; MODEL NO: 800; BLOWER; RADIAL; COMPLETE WITH MOTOR AND 500 MM FAN, IN AND OUT LET COWL; ELECTRICAL RATING: 3 PH, 50 HZ, 1.1 KW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	25		
141247	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1400 RPM; FRAME: KOD646-MA6-WKRD-S36; POTENTIAL: 380 V; GEORGI KOBOLT BREMS	25		
141336	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1400 RPM; FRAME: LS80L1; CURRENT: 1.65 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 44 MM; INSULATION CLASS: E; PHASE: 3; REFERENCE NO: LS80L1; LEROY SOMER, 50 HZ	25		
140623	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2205 RPM; FRAME: DY617; CURRENT: 1.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: DY617; MINI	25		

141227	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2850 RPM; FRAME: 1660; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TETM; SHAFT SIZE: DIA 15.5 X LG 48 MM; INSULATION CLASS: E; PHASE: 3; 50 HZ	25		
183954	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1420 RPM; FRAME: 80; CURRENT: 1.95 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: OD 19 MM; INSULATION CLASS: F; PHASE: 3; CONNECTION STAR/DELTA, 50 HZ	25		
140603	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1425 RPM; FRAME: 143TC; CURRENT: 3-1.7-1.5 A; POTENTIAL: 220/380-440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 22 X LG 57 MM; INSULATION CLASS: B; PHASE: 3; TEMPERATURE CLASS: 40 DEG C; SUPPL P/N: M48-229; CAT NO: M17; REFERENCE NO: 143TC; F-100 DES-B; BALDER INDUSTRIAL, SPEC A3503X141, CODE 8, FULL LOAD EFF 75 PCT PF 80 PCT, 50 HZ	25		
140624	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1410 RPM; FRAME: DY80D; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: DY80D	25		
141289	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1390-1410 RPM; FRAME: QU80M4CZ; CURRENT: 3.5-2 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 39 MM; INSULATION CLASS: B; PHASE: 3; BBC, CONNECTION DELTA/STAR, 50 HZ	25		
141215	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1410 RPM; FRAME: DY905; CURRENT: 2.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 24 X LG 50 MM; PHASE: 3; CONNECTION DELTA	25		
140565	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1420-1450 RPM; FRAME: IEC 80B4; CURRENT: 4-2.3 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; PHASE: 3; SPECIFICATION: IEC 80B4; SUPPL P/N: A1C0812 A-A000; SCHORCH, OIL PUMP, FOR COMPRESSOR 1 - 4; A1C0812 A-A000	25		
141251	MOTOR, ELECTRIC: POWER: 0.06 KW; SPEED: 1320 RPM; FRAME: ILC3051-4ADWO; CURRENT: 0.38-0.22 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 9 X LG 20 MM; PHASE: 3; REFERENCE NO: ILC30514ADWO; ILC3051; CONNECTION DELTA/STAR, 50 HZ	25		
141243	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 900 RPM; FRAME: LS90L3; CURRENT: 2.97 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 24 X LG 50 MM; REFERENCE NO: LS90L3; LEROY SOMER	25		
141222	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1425 RPM; FRAME: NYC11D4; CURRENT: 2.9 A; POTENTIAL: 380 VAC; PHASE: 3; REFERENCE NO: NYC-11D4	25		
140626	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1390 RPM; FRAME: 90S-4; CURRENT: 2.8 A; POTENTIAL: 380 VAC; PEDESTAL MOUNTED, FEMCO, GEC	25		
141226	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1400 RPM; FRAME: DY905; CURRENT: 2.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 48 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION STAR, 50 HZ	25		
140085	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 960 RPM; FRAME: DNV90L; CURRENT: 2.3 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 24 X LG 50 MM; PHASE: 3; 920 RPM, 1.1 HP, 3.1 A, BROOKS, 50 HZ	25		

141197	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 930 RPM; FRAME: D90L; CURRENT: 3.6 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 20 X LG 50 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: D90L; 50 HZ	25		
140687	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 2820 RPM; FRAME: DZ90S0; CURRENT: 3.3 A; POTENTIAL: 380 VAC; MOUNTING: B35 FLANGE; PHASE: 3; REFERENCE NO: B010230/005PB; GEC, DE BEARING 6205ZZ, NDE BEARING 6204ZZ, FOR 18KV AIR CIRCUIT BREAKER COOLING PUMP	25		
141252	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 1400 RPM; FRAME: KOD7410; CURRENT: 5.9-3.4 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; GEORGI KOBALT, 50 HZ	25		
140620	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 1415 RPM; FRAME: D100L; CURRENT: 4.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 58 MM; REFERENCE NO: D100L; PEDESTAL MOUNTED	25		
141246	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 930 RPM; FRAME: D100L; CURRENT: 4.4 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 58 MM; PHASE: 3; 960 RPM, CONNECTION STAR, 50 HZ	25		
727777	MOTOR ELEC:2.2 KW;3000 RPM;112 M;3.97 A	25		
141301	MOTOR, ELECTRIC: POWER: 2 KW; SPEED: 2400 RPM; FRAME: GCUFA64; CURRENT: 14 A; POTENTIAL: 220 V AC/DC; MOUNTING: FLANGE; SHAFT SIZE: DIA 32 X LG 82 MM; INSULATION CLASS: B; REFERENCE NO: GWCUFA64; BBC	25		
141244	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1435 RPM; FRAME: DZ100L; CURRENT: 5.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DZ100L; GEC, CONNECTION STAR, 50 HZ	25		
141216	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1430 RPM; FRAME: LA100L1; CURRENT: 4.7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; REFERENCE NO: LA100L1; 50 HZ	25		
141335	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1425 RPM; FRAME: LS100L1; CURRENT: 5.15-9 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; SERVICE FACTOR: S4; LEROY SOMER, CONNECTION DELTA/STAR, 50 HZ	25		
141253	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1400 RPM; FRAME: KOD8413; CURRENT: 6.1 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; MAWKRDS 36, 50 HZ	25		
141285	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 950 RPM; FRAME: DNV112MH; CURRENT: 6.4 A; POTENTIAL: 380 VAC; REFERENCE NO: DNV112MH; BROOK CROMPTON	25		
140621	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 935 RPM; FRAME: D112M; CURRENT: 5.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; PEDESTAL MOUNTED, CONNECTION STAR, 50HZ	25		
141225	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 940 RPM; FRAME: D112MA; CURRENT: 5.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; REFERENCE NO: D112M; CONNECTION DELTA, 50HZ	25		

140618	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 700 RPM; FRAME: MBL132S38-8; CURRENT: 6.8-11.5 A; POTENTIAL: 380/330 VAC; MOUNTING: PEDESTAL; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; REFERENCE NO: 6649081; 2.2 KW, PEDESTAL MOUNTED, CONNECTION DELTA/STAR, 50 HZ; MANUFACTURER:- ASEA	25		
141214	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 705-715 RPM; FRAME: D13251; CURRENT: 6.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 6.3 AMP, FRAME SIZE DZ 132 S, GEC, CONNECTION STAR, 50 HZ	25		
140594	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2800 RPM; FRAME: AD90-2; CURRENT: 7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP67; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AD90-2-85; CONNECTION STAR, 50HZ	25		
665883	FAN: TYPE: CENTRIFUGAL; DIMENSIONS: WD 110 X LG 750 X HT 710 MM; VOLUME RATING: 0.46 M3/S; MATERIAL: MS; SPECIFICATION: PD5500:2018; BLADE QUANTITY: 36; DRIVER: MOTOR INDUCTION; SUPPL P/N: CMA528-2T8M-1.5; BLOWER SUCTION FLANGE: ROUND; FLANGE DIMENSIONS: ID 194 X OD 295MM; HOLE: 8; PCD: 255MM; HOLE DIA: 20MM; OUTLET FLANGE: RECTAGULAR; WATER DRAIN REQUIRED AT THE BOTTOM OF THE CASING; SAMPLE IS AVAILABLE	25		
141241	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 955 RPM; FRAME: 13ZS; CURRENT: 8.2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; POLES: 2; PHASE: 3; CASING MATERIAL: CAST IRON; GEC, 4 KW, FRAME DX-112-MD, USED WITH SFP GLAND STEAM VENT FAN, CONNECTION DELTA, 50 HZ	25		
141283	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1415 RPM; FRAME: T-DA100BD/01-45; CURRENT: 11.8-6.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 0.81; REFERENCE NO: 99281178; BROOK CROMPTON, FOR COAL FEEDER BELT, CONNECTION STAR, 50HZ	25		
141250	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1400 RPM; FRAME: KOD8413; CURRENT: 11.6-6.7 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 28 X LG 58 MM; PHASE: 3; MAWKRDS 36, GEORGI KOBALT	25		
250249	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1410 RPM; FRAME: 100L; CURRENT: 5.94 A; POTENTIAL: 380 V; MOUNTING: FLANGE VERTICAL; ENCLOSURE RATING: IP56; SHAFT SIZE: DIA 28 MM; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; DIRECTION: BI DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; REFERENCE NO: G064017; FOR USE AT NORTH AND SOUTH LIME PLANT, APPLICATION: DRAFT TUBE MIXER	25		
252789	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1430 RPM; FRAME: 100L-B3/ST; CURRENT: 6.44 A; POTENTIAL: 380 V; MOUNTING: FLANGE; FOOT; ENCLOSURE RATING: IP55; TEFC; POLES: 4; SUPPL P/N: ZAP 1000; REFERENCE NO: ATW-36-4F-2; 075765/66	25		
237293	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 950 RPM; FRAME: BG56; CURRENT: 7.3 A; POTENTIAL: 400 V; MOUNTING: IM B3 FLAT; ENCLOSURE RATING: IP55; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 0.8; SUPPL P/N: 1PP9113-6LA90-Z; 150MM SHAFT, STAR CONNECTION, POWER FACTOR 0.75, HORIZONTAL	25		
141284	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 2820 RPM; FRAME: D112MA; CURRENT: 8.6 A; POTENTIAL: 380 VAC; PHASE: 3; GEC	25		

141299	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1425 RPM; FRAME: MJUK112M4; CURRENT: 8.6 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; GEC, 5.5 HP, 50 HZ	25		
140566	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1430 RPM; FRAME: DX112MD; CURRENT: 9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 65 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; DRAWING NO: 2/72/08/008 BOO 2210/004 LB0 1286 REV 1; REFERENCE NO: B002210/004/OE; MODIFIED VERSION, MOTOR SHAFT MODIFIED AS PER DRAWING, BMM, CONNECTION DELTA, 50 HZ	25		
140249	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1430 RPM; FRAME: DX112MD; CURRENT: 9 A; POTENTIAL: 380 VAC; REFERENCE NO: DX112MD	25		
139555	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1420 RPM; CURRENT: 9.2 A; POTENTIAL: 380 VAC; SIEMENS	25		
141219	MOTOR, ELECTRIC: POWER: 4.8 KW; SPEED: 1400 RPM; FRAME: DNV112MD; CURRENT: 10.9 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 58 MM; INSULATION CLASS: B; PHASE: 3; 4 KW, 1440 RPM, 8.2 AMP, BROOKS, CONNECTION DELTA, D112M	25		
727785	MOTOR ELEC:4 KW;1000 RPM;132 MA;7.21 A;6	25		
141545	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 720 RPM; FRAME: D160MD; CURRENT: 12.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 X LG 110 MM; CONNECTION LOCATION: TERMINAL BOX LHS; CLASSIFICATION: ASH/DUST/OIL; POLES: 8; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: IEC 60034; TYPE: CAGE INDUCTION; REFERENCE NO: D160MD; U1 TO 4 MILL GEARBOX LUB OIL	25		
140552	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 2860 RPM; FRAME: DX132SD; CURRENT: 11.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 X LG 82 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: DX132SD; CONNECTION DELTA, 50 HZ	25		
141256	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 2830 RPM; FRAME: D13251; CURRENT: 11.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: E; GEC, CONNECTION DELTA, 50 HZ	25		
141339	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1400 RPM; FRAME: DVS132-S4; CURRENT: 11.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; INSULATION CLASS: E; PHASE: 3; NOTE, ONLY SEW EURODRIVE COMPLETE WITH BRAKE AND HANDWHEEL ACCEPTABLE, CONNECTION DELTA, 50HZ	25		
140619	MOTOR, ELECTRIC: POWER: 4.9 HP; SPEED: 1440 RPM; FRAME: 002727; CURRENT: 10.7 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 35 MM; REFERENCE NO: 002727; 49 KW, PEDSETAL MOUNTED	25		
141217	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1430 RPM; FRAME: DZ132SDB; CURRENT: 12 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: P; PHASE: 3; REFERENCE NO: DZ132SD; CONNECTION: DELTA, 50 HZ	25		

140250	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1435-1440 RPM; FRAME: DZ132SD; CURRENT: 12.2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION DELTA, 50 HZ	25		
141255	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 950 RPM; FRAME: 132SD; CURRENT: 15.3 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 50 HZ	25		
141292	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 970 RPM; FRAME: HJTL160M6; CURRENT: 12.5 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; REFERENCE NO: HJTL160M6; BBC, CONNECTION DELTA, 50 HZ	25		
141237	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 950 RPM; FRAME: 132M; CURRENT: 13.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; INSULATION CLASS: B; PHASE: 3; SUPPL P/N: 1LA6134-6AA60-ZN00; FOR TRIPPER CARS, CONNECTION DELTA/STAR, 50HZ	25		
141334	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2890 RPM; FRAME: 132SD; CURRENT: 15.5 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; GEC	25		
141257	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2850 RPM; FRAME: DZ132SD; CURRENT: 15.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 2890 RPM, 15.8 A, CONNECTION DELTA	25		
141293	MOTOR, ELECTRIC: POWER: 7-1/2 HP; SPEED: 2880 RPM; FRAME: MBT132SA2; CURRENT: 11.3-6.5 A; POTENTIAL: 380/660 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: F; PHASE: 3; 7.5 KW, 6.3 AMP, ASEA, CONNECTION DELTA/STAR, 50HZ	25		
665885	FAN: TYPE: CENTRIFUGAL; DIMENSIONS: WD 235 X LG 820 X HT 750 MM; VOLUME RATING: 1.56 M3/S; MATERIAL: MS; SPECIFICATION: PD5500:2018; BLADE QUANTITY: 18; DRIVER: MOTOR INDUCTION; SUPPL P/N: CAM550-2T-7.5; BLOWER SUCTION FLANGE: ROUND; FLANGE DIMENSIONS: ID 270 X OD 395MM; HOLE: 8; PCD: 350MM; HOLE DIA: 22MM; OUTLET FLANGE: SQUARE; WATER DRAIN REQUIRED AT THE BOTTOM OF THE CASING; SAMPLE IS AVAILABLE	25		
186207	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1460 RPM; FRAME: 132MD; CURRENT: 14.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE B5; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 38 MM; INSULATION CLASS: F; SERVICE FACTOR: 0.82; FOR SULZER POWER PACKS AT UNIT 1-6, CONNECTION DELTA	25		
141274	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1440 RPM; FRAME: DPC160M; CURRENT: 18 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DPC160M; PEDESTAL MOUNTED, BMM, CONNECTION DELTA, 50 HZ	25		
140580	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1450 RPM; CURRENT: 27-16.5 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 40 X LG 80 MM; PHASE: 3; TEMPERATURE CLASS: 40 DEG C; SPECIFICATION: IEC 132M; REFERENCE NO: 8C-8774-3301-005; COMPLETE WITHH BRAKE, ROTOR KL16	25		

140551	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1445 RPM; FRAME: D132MD; CURRENT: 12 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: D132MD; CONNECTION DELTA, 50 HZ	25		
648505	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 8.92 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: DELTA; POLES: 4; PHASE: 3; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 6003-2-1:2007; TYPE: INDUCTION	25		
641581	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 960 RPM; FRAME: 160M; CURRENT: 15.8 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: 41 MM; CONNECTION LOCATION: DELTA; INSULATION CLASS: F; PHASE: 3; DIRECTION: BI-DIRECTIONAL; TYPE: ERATOR	25		
727776	MOTOR ELEC:7.5 KW;1000 RPM;160L;13.5 A;6	25		
141294	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2890 RPM; FRAME: 160MD; CURRENT: 22.2 A; POTENTIAL: 380 VAC; MOUNTING: V1 FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 42 MM; INSULATION CLASS: F; PHASE: 3; SHAFT DOWN MOUNTING, FLANGE 4 HOLE 16 MM, BOLT SIZE ON 300 MM PCD, ALSTOM GEC, CONNECTION STAR/DELTA	25		
140550	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1450 RPM; FRAME: D160M; CURRENT: 22 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D160M; CONNECTION DELTA	25		
727784	MOTOR ELEC:11 KW;1000 RPM;160L;19.8 A;42	25		
141259	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 740 RPM; FRAME: 180L; CURRENT: 25 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION DELTA, 50 HZ	25		
141282	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 488 RPM; FRAME: D225M/LS4; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; CONNECTION LOCATION: RH; POLES: 12; PHASE: 3; SPECIFICATION: IEC 60034-1; SABS 1804-1/2; DRAWING NO: B22-AB-414 REV 1; REFERENCE NO: 1625; RE ASH CRUSHER, 8MM EARTH STUD IS REQUIRED ON THE MOTOR BELOW THE TERMINAL BOX, 50HZ	25		
224550	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2930 RPM; FRAME: 160M; CURRENT: 28.8 A; POTENTIAL: 380-400 V; MOUNTING: B3 FOOT; SHAFT SIZE: 10 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: 1804-1-2; DRAWING NO: IEC 60034-1 REV 1; 0.86 SERVICE FACTOR, TO BE USED ON TURBINE PLANT, FOR AUXILLARY DEMIN PUMP AT UNIT 1.4 AND 6	25		
139939	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2920 RPM; FRAME: DPC160L; CURRENT: 34 A; POTENTIAL: 380 VAC; PHASE: 3; REFERENCE NO: DPC160L	25		
140466	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1460-1470 RPM; FRAME: 160L; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; INSULATION CLASS: B3; PHASE: 3; 15KW, 29AMP, CONNECTION DELTA, 50HZ	25		
140200	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1450 RPM; FRAME: D355L; CURRENT: 32 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: OD 100 X LG 220 MM; PHASE: 3; 50 HZ	25		

140521	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1480 RPM; FRAME: G160L4; CURRENT: 21.7 A; POTENTIAL: 525 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 42 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AG01/02; PINION GEAR, DE SHIELD, FLENDER HIMMEL, FOR USE WITH FLY ASH AGITATOR, CONNECTION DELTA	25		
140198	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1460 RPM; FRAME: 160L; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: 160L; 2860 RPM, FRAME SIZE DPC 160M, PEDESTAL MOUNTED, GEC	25		
141263	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 970 RPM; FRAME: 180L; CURRENT: 32 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 48 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA; 0.82 SERVICE FACTOR	25		
141264	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 720 RPM; FRAME: 200L; CURRENT: 31.5 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 55 X LG 118 MM; INSULATION CLASS: B3; CONNECTION DELTA, 50 HZ	25		
141300	MOTOR, ELECTRIC: POWER: 18 KW; SPEED: 2935 RPM; FRAME: VJTL180M2; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: VJTL180M2; 18.5KW, GEC	25		
141210	MOTOR, ELECTRIC: POWER: 18 KW; SPEED: 1460 RPM; FRAME: VJTL180M; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 48 X LG 108 MM; INSULATION CLASS: B; REFERENCE NO: D180MD; 18.5 KW, CONNECTION DELTA	25		
141275	MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 1460 RPM; FRAME: D180M; CURRENT: 37.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B3; PHASE: 3; G E C, CONNECTION DELTA, 50 HZ	25		
141290	MOTOR, ELECTRIC: POWER: 1.89 KW; SPEED: 900 RPM; FRAME: FG001240; CURRENT: 18 A; POTENTIAL: 110/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 12 X LG 20 MM; REFERENCE NO: FG001240; 1.85 KW	25		
140156	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2935 RPM; FRAME: D180M; CURRENT: 39.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 114 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; TYPE: INDUCTION; CMR, FOR SEAL WATER PUMP, CONNECTION: DELTA, 50 HZ	25		
141302	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2925 RPM; FRAME: MJTL180M25P; CURRENT: 42.9 A; POTENTIAL: 380 VAC; BBC	25		
141231	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2930 RPM; FRAME: D180M; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; PEDESTAL MOUNTED	25		
141291	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2960 RPM; FRAME: D100L; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: D100L; PEDESTAL MOUNTED	25		
139610	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1455 RPM; FRAME: DG180L; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 52 X LG 110 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: DX180L; PEDESTAL MOUNTED, 4 HOLES 12 MMD, MOUNTING CENTERS 280 MM X 280 MM, 280 MM PARALLEL TO SHAFT AXIS, CENTER OF SHAFT TO MOUNTING SURFACE 180 MM, CONNECTION DELTA, 50 HZ, IC0141	25		

141281	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1460 RPM; FRAME: D180L; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: TEFC D180L; PEDESTAL MOUNTED	25		
221278	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2940 RPM; FRAME: 180M; CURRENT: 4.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 50 MM; POLES: 2; INSULATION CLASS: CL F; PHASE: 3; SUPPL P/N: BD 2676; DRAWING NO: 2163 REV 1; TO BE USED IN TRB-B BLOWER, CONNECTION DELTA, 1.3 SERVICE FACTOR, 50 HZ	25		
141236	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2960 RPM; FRAME: D200L; CURRENT: 61 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 55 X LG 112 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; GEC, CONNECTION DELTA	25		
141295	MOTOR, ELECTRIC: POWER: 26/30 KW; SPEED: 2945 RPM; FRAME: MJTL200L2; CURRENT: 49-65 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; PHASE: 3; CEM BBC, SIEMENS, CONNECTION STAR, 50 HZ	25		
141209	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2950 RPM; FRAME: D200L; CURRENT: 45 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 112 MM; INSULATION CLASS: B; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D200L; 40 HP, 63 A, CONNECTION DELTA, 50 HZ	25		
140614	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2935 RPM; FRAME: D286/GZ20; CURRENT: 41.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 140 MM; INSULATION CLASS: E; PEDESTAL MOUNTED, AEI, 50 HZ	25		
139723	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: VJUL200L2; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; REFERENCE NO: VJUL200L2; 2930 RPM, BBC, CONNECTION DELTA	25		
140615	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 118 MM; INSULATION CLASS: B3; PHASE: 3; FLANGE MOUNTED, SIEMENS	25		
139608	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470-1475 RPM; FRAME: 225S; CURRENT: 59 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 60 X LG 150 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25		
141260	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 980 RPM; FRAME: 225M; CURRENT: 69 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; PEDESTAL MOUNTED, SIEMENS, CONNECTION DELTA, 50 HZ	25		
140567	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 2945-2950 RPM; FRAME: 200L; CURRENT: 68 A; POTENTIAL: 380 VAC; SUPPL P/N: 1LA6207-2AA70Z; REFERENCE NO: 200L; ROTOR KL 16	25		
140406	MOTOR, ELECTRIC: POWER: 37/45 KW; SPEED: 2945 RPM; FRAME: 225M2/GEC 225MD; CURRENT: 72-90 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; INSULATION CLASS: F; PHASE: 3; FOR UNIT 1 TO 6 POWER OIL PUMP, ALSTOM GEC, CONNECTION STAR / DELTA, VERTICLE MOUNTED SHALF DOWN	25		

141211	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1475 RPM; FRAME: OUX225S4; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, BBC, CONNECTION DELTA, 50 HZ	25		
141238	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 980 RPM; FRAME: 250M; CURRENT: 71 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25		
140613	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2950 RPM; FRAME: D225MD; CURRENT: 92.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 55 X LG 108 MM; REFERENCE NO: D225MD; BBC	25		
658483	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2960 RPM; FRAME: 225 S/M; CURRENT: 78.6 A; POTENTIAL: 380 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: F; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80 K; SUPPL P/N: 004.1444; WATER CANNON SUPPLY PUMP MOTOR VSD	25		
140617	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2925 RPM; FRAME: C200M; CURRENT: 89 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: C200M; PEDESTAL MOUNTED, BMM	25		
141269	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2960 RPM; FRAME: 225M; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; PEDESTAL MOUNTED, SIEMENS, 50 HZ	25		
141265	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1465 RPM; FRAME: D225M; CURRENT: 89 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D225M; CONNECTION DELTA, 50 HZ	25		
141266	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2965 RPM; FRAME: D250M; CURRENT: 104 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; CONNECTION DELTA, 50 HZ	25		
141270	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2920 RPM; FRAME: DPC200L; CURRENT: 103 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP23; SHAFT SIZE: DIA 60 X LG 140 MM; CONNECTION LOCATION: RH SIDE; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; REFERENCE NO: DPC200L; CONNECTION DELTA, 50 HZ	25		
141203	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2930 RPM; FRAME: H7976/4; CURRENT: 105 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; 75 HP, CONNECTION DELTA, 50 HZ	25		
140616	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1475 RPM; FRAME: 250M; CURRENT: 102 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: 18298; 250M; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25		
141195	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1484 RPM; FRAME: D250S; CURRENT: 109 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 70 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, GEC, CONNECTION DELTA, 50 HZ	25		

141258	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2971 RPM; FRAME: 280S; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: 280S	25		
141268	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1470 RPM; FRAME: DPC350M; CURRENT: 105 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 75 X LG 138 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DPC350M; 100 HP, CONNECTION DELTA, 50 HZ	25		
140288	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1472 RPM; FRAME: 1LA52554YA70; CURRENT: 144 A; POTENTIAL: 380 VAC; REFERENCE NO: 1LA52554YA70	25		
141200	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1480 RPM; FRAME: D250M; POTENTIAL: 380 VAC; MOUNTING: FOOT; PEDESTAL MOUNTED	25		
727765	MOTOR ELEC:90 KW;3000 RPM;280S;162 A;380	25		
141240	MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1480 RPM; FRAME: D280S; CURRENT: 177 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 80 X LG 168 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; GEC, CONNECTION DELTA	25		
648434	MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1500 RPM; FRAME: PPA280S80; CURRENT: 157 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 80 MM; CONNECTION LOCATION: DELTA; POLES: 4; DIRECTION: BI DIRECTIONAL; TYPE: BUFFALO FITTER	25		
141338	MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 2950 RPM; FRAME: C250M; CURRENT: 200 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; 150 HP, FRAME DPC 350M, GEC, CONNECTION DELTA, 50 HZ	25		
141201	MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1481 RPM; FRAME: D280M; CURRENT: 201 A; POTENTIAL: 380 VAC; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 86 X LG 168 MM; PHASE: 3; BMM	25		
141273	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 2969 RPM; FRAME: DPC280S; CURRENT: 228 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; 2960 RPM, GEC, CONNECTION DELTA, 50 HZ	25		
141202	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 1485 RPM; FRAME: D315S; CURRENT: 244 A; POTENTIAL: 380 VAC; GEC	25		
141235	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 974 RPM; FRAME: VC315MD; CURRENT: 253 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 90 X LG 168 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: VC315MD; CONNECTION DELTA, 50 HZ	25		
141267	MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 2967 RPM; FRAME: C2315M; CURRENT: 35 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 70 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; BMM, GEC, CONNECTION DELTA, 50 HZ	25		
662529	MOTOR ELEC:200 KW;1485 RPM;DG315MX;365.3	25		
141204	MOTOR, ELECTRIC: POWER: 220 KW; SPEED: 1489 RPM; FRAME: D315ME; CURRENT: 396 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 17.2 X LG 85 MM; INSULATION CLASS: F; PHASE: 3; GEC, CONNECTION DELTA, 0.88 SERVICE FACTOR	25		
<u>525V LV Motors</u>				
751469	MOTOR ELEC:220 KW;1500 RPM;PPA315L85;302	25		

751468	MOTOR ELEC:225 KW;1500 RPM;315LX;309 A;4	25		
<u>690V LV Motors</u>				
666774	MOTOR, ELECTRIC: POWER: 355 KW; SPEED: 1490 RPM; FRAME: 355M/L; CURRENT: 364 A; POTENTIAL: 690 V; MOUNTING: FOOT SLOTTED; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 100 MM; CONNECTION LOCATION: RHS; CLASSIFICATION: SAFE; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80 (B); DIRECTION: BI-DIRECTIONAL; SPECIFICATION: IEC60034; TYPE: INDUCTION MOTOR; COMPATIBLE TO RUN WITH A VSD	25		
<u>DC MOTORS</u>				
140196	MOTOR, ELECTRIC: POWER: 9.5 KW; SPEED: 2700 RPM; FRAME: GWCUFAL84; CURRENT: 61 A; POTENTIAL: 220 VAC	15		
592505	MOTOR, ELECTRIC: POWER: 5 KW; SPEED: 3000 RPM; FRAME: GWCUFAL64A; CURRENT: 31 A; POTENTIAL: 220 VDC; MOUNTING: FLANGE; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 32 MM; CONNECTION LOCATION: RH SIDE; INSULATION CLASS: F; CASING MATERIAL: STEEL; SERVICE FACTOR: S5; TEMPERATURE CLASS: F; TYPE: DC LUBE OIL PUMP	15		
<u>Ash crusher motor</u>				
141282	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 488 RPM; FRAME: D225M/LS4; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; CONNECTION LOCATION: RH; POLES: 12; PHASE: 3; SPECIFICATION: IEC 60034-1; SABS 1804-1/2; DRAWING NO: B22-AB-414 REV 1; REFERENCE NO: 1625; RE ASH CRUSHER, 8MM EARTH STUD IS REQUIRED ON THE MOTOR BELOW THE TERMINAL BOX, 50HZ	20		
<u>BFPT GSC VENT FAN MOTOR</u>				
140594	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2800 RPM; FRAME: AD90-2; CURRENT: 7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP67; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AD90-2-85; CONNECTION STAR, 50HZ	20		
141257	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2850 RPM; FRAME: DZ132SD; CURRENT: 15.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 2890 RPM, 15.8 A, CONNECTION DELTA	20		
<u>Fan Units Motors</u>				
751470	FAN ELEC:AXIAL;710 MM;400 V;0.5 A;0.37	5		
751472	FAN ELEC:AXIAL;710 MM;400 V;1.26 A;0.55	5		
751471	FAN ELEC:AXIAL;710 MM;400 V;1.26 A;0.55	5		
751467	FAN ELEC:AXIAL;280S MM;400 V;135 A;75 KW	5		
751466	FAN ELEC:AXIAL;160M MM;400 V;30 A;15 KW	5		
141295	MOTOR, ELECTRIC: POWER: 26/30 KW; SPEED: 2945 RPM; FRAME: MJTL200L2; CURRENT: 49-65 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; PHASE: 3; CEM BBC, SIEMENS, CONNECTION STAR, 50 HZ	5		

<u>Variable Speed Drives and Soft Starters</u>				
747810	VSD ELECT:VSD;460 A;690 V;3;I/P 355 KW	10		
749826	STARTER, ELECTRIC MOTOR: CONTACT RATING: 18 A; INDUSTRY SIZE: 7.5 KW; TYPE: HYBRID; COIL VOLTAGE: 110-250 VAC; MANUF P/N: 3RW5514-AHA14; SOFT STATER FOR USE IN THE TRIPPER CARS	15		
TOTAL OF THE PRICES				

ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER _____
 CONTRACT TITLE: SUPPLY AND DELIVERY OF LOW VOLTAGE MOTORS, AS STOCK ITEMS ON AN "AS AND WHEN"
 REQUIRED BASIS FOR A PERIOD OF FIVE YEARS AT KRIEL POWER STATION, MAIN STORES.

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C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

Kriel Power Station is faced with unnecessary UCLF (Unavailability Capability Loss Factor) due to unavailability of spares. Therefore, to mitigate this, a decision was made by the business to set up a supply and delivery contract of Low voltage motors on an as and when required basis to ensure that Kriel Power Station have the right spares when needed. To minimise disruption to the production and leaving output levels uncompromised.

2 Specification and description of the goods

SUPPLY AND DELIVERY OF LOW VOLTAGE MOTORS, AS STOCK ITEMS ON AN "AS AND WHEN" REQUIRED BASIS FOR A PERIOD OF FIVE YEARS AT KRIEL POWER STATION, MAIN STORES.		
Material No:	Description	QTY
140197	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 2800 RPM; FRAME: D562/45; CURRENT: 1.4-0.8 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 15 X LG 22 MM; PHASE: 3; REFERENCE NO: D562/45; 50 HZ	25
141245	MOTOR, ELECTRIC: POWER: 0.25 HP; SPEED: 1425 RPM; FRAME: 5K42DG5096; CURRENT: 0.83 A; POTENTIAL: 380 VAC; REFERENCE NO: 5K42DG5096	25
141277	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1410-1425 RPM; FRAME: DY80D; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 19.5 X LG 38 MM; PHASE: 3; REFERENCE NO: 80-4; 6 A, FEMCO, CONNECTION STAR, 50 HZ	25
141220	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1390-1680 RPM; FRAME: 63B4; CURRENT: 1.1-0.63 A; POTENTIAL: 220/440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 11 X LG 23 MM; POLES: 4; PHASE: 3; GIEM GRUPPO INDUSTRIALE ERCOLE, FOR GUNBLOWERS, CONNECTION DELTA/STAR, 50/60HZ	25
141249	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1410 RPM; FRAME: KOD446AMAWKRDS36; CURRENT: 0.59 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 10 X LG 22 MM; REFERENCE NO: KOD446; GEORGI KOBALT, CONNECTION DELTA/STAR, 50 HZ	25
141248	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1425 RPM; FRAME: 71-4; CURRENT: 0.47 A; POTENTIAL: 380 VAC; 1380 RPM, FEMCO	25
186208	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 2740 RPM; FRAME: 63M; CURRENT: 1.5 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 11 MM; INSULATION CLASS: F; SERVICE FACTOR: 0.72; FOR DA DOSING PUMP AT UNIT 1-6, CONNECTION DELTA	25
141297	MOTOR, ELECTRIC: POWER: 0.27 KW; SPEED: 1750-3350 RPM; FRAME: QUG71M2; CURRENT: 0.7-1.2 A; POTENTIAL: 240/415 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 14 X LG 24 MM; PHASE: 3; BBC, 50/60 HZ	25
140627	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1390 RPM; FRAME: 90S-4; CURRENT: 2.8 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP44; SHAFT SIZE: DIA 24 X LG 48 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71; 0.25 KW, 1350 RPM, 0.87 A, PEDESTAL MOUNTED, GEC, 50 HZ	25
215853	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 1310 RPM; CURRENT: 1.45-0.83 A; POTENTIAL: 230/400 VAC; MOUNTING: FLANGE B5; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 11 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: HA20458/42882; CONNECTION STAR, 50 HZ	25

141206	MOTOR, ELECTRIC: POWER: 0.25 KW; SPEED: 1350 RPM; FRAME: 71A4; CURRENT: 0.87 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 10 X LG 22 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71A4; FEMCO, 50 HZ	25
140625	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1390 RPM; FRAME: HEUA80LRA; CURRENT: 1.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 90 MM; CONNECTION LOCATION: TERMINAL; REFERENCE NO: HEUA80LR4; BBC	25
141228	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1425 RPM; FRAME: 1651; CURRENT: 14 A; POTENTIAL: 380/440 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TETM; SHAFT SIZE: DIA 15 X LG 50 MM; INSULATION CLASS: E; PHASE: 3; 1 A, 50 HZ	25
140622	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1370 RPM; FRAME: 71-4; CURRENT: 0.86 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: 71-4	25
140628	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1370 RPM; FRAME: 71B4; CURRENT: 1.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 14 X LG 34 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: 71B4; PEDESTAL MOUNTED; GEC; 50 HZ	25
141287	MOTOR, ELECTRIC: POWER: 0.3 KW; SPEED: 3000 RPM; FRAME: MKH94X007; CURRENT: 3.1 A; POTENTIAL: 220 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 10 X LG 24 MM; J WILLISOHN	25
141223	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1380/1660 RPM; FRAME: D71D4; CURRENT: 1.9-1.1 A; POTENTIAL: 220/440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 14 X LG 24 MM; REFERENCE NO: D71D4; CONNECTION DELTA/STAR	25
141213	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1400 RPM; FRAME: DY612; CURRENT: 1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 15.5 X LG 47 MM; REFERENCE NO: DY612; MINI	25
141296	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 900 RPM; FRAME: HEUB806L; CURRENT: 3.1-0.78 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 40 MM; INSULATION CLASS: E; BBC	25
141286	MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 930 RPM; FRAME: MT80S; CURRENT: 2.4 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 19 X LG 40 MM; REFERENCE NO: MT80S	25
140017	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 2820 RPM; FRAME: DC617; CURRENT: 4.8 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 15.5 X LG 47 MM; PHASE: 1; REFERENCE NO: DC617; 50 HZ	25
182996	BLOWER: TYPE: AIR; SIZE: 50 MM; POTENTIAL: 380 V; CURRENT: 2.7 A; SUPPL P/N: A255/11; MODEL NO: 800; BLOWER; RADIAL; COMPLETE WITH MOTOR AND 500 MM FAN, IN AND OUT LET COWL; ELECTRICAL RATING: 3 PH, 50 HZ, 1.1 KW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	25
141247	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1400 RPM; FRAME: KOD646-MA6-WKRD-S36; POTENTIAL: 380 V; GEORGI KOBOLT BREMS	25
141336	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1400 RPM; FRAME: LS80L1; CURRENT: 1.65 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 44 MM; INSULATION CLASS: E; PHASE: 3; REFERENCE NO: LS80L1; LEROY SOMER, 50 HZ	25
140623	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2205 RPM; FRAME: DY617; CURRENT: 1.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: DY617; MINI	25
141227	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2850 RPM; FRAME: 1660; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TETM; SHAFT SIZE: DIA 15.5 X LG 48 MM; INSULATION CLASS: E; PHASE: 3; 50 HZ	25

183954	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1420 RPM; FRAME: 80; CURRENT: 1.95 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: OD 19 MM; INSULATION CLASS: F; PHASE: 3; CONNECTION STAR/DELTA, 50 HZ	25
140603	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1425 RPM; FRAME: 143TC; CURRENT: 3-1.7-1.5 A; POTENTIAL: 220/380-440 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 22 X LG 57 MM; INSULATION CLASS: B; PHASE: 3; TEMPERATURE CLASS: 40 DEG C; SUPPL P/N: M48-229; CAT NO: M17; REFERENCE NO: 143TC; F-100 DES-B; BALDER INDUSTRIAL, SPEC A3503X141, CODE 8, FULL LOAD EFF 75 PCT PF 80 PCT, 50 HZ	25
140624	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1410 RPM; FRAME: DY80D; CURRENT: 2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: DY80D	25
141289	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1390-1410 RPM; FRAME: QU80M4CZ; CURRENT: 3.5-2 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 39 MM; INSULATION CLASS: B; PHASE: 3; BBC, CONNECTION DELTA/STAR, 50 HZ	25
141215	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1410 RPM; FRAME: DY905; CURRENT: 2.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 24 X LG 50 MM; PHASE: 3; CONNECTION DELTA	25
140565	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1420-1450 RPM; FRAME: IEC 80B4; CURRENT: 4-2.3 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; PHASE: 3; SPECIFICATION: IEC 80B4; SUPPL P/N: A1C0812 A-A000; SCHORCH, OIL PUMP, FOR COMPRESSOR 1 - 4; A1C0812 A-A000	25
141251	MOTOR, ELECTRIC: POWER: 0.06 KW; SPEED: 1320 RPM; FRAME: ILC3051-4ADWO; CURRENT: 0.38-0.22 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 9 X LG 20 MM; PHASE: 3; REFERENCE NO: ILC30514ADWO; ILC3051; CONNECTION DELTA/STAR, 50 HZ	25
141243	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 900 RPM; FRAME: LS90L3; CURRENT: 2.97 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 24 X LG 50 MM; REFERENCE NO: LS90L3; LEROY SOMER	25
141222	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1425 RPM; FRAME: NYC11D4; CURRENT: 2.9 A; POTENTIAL: 380 VAC; PHASE: 3; REFERENCE NO: NYC-11D4	25
140626	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1390 RPM; FRAME: 90S-4; CURRENT: 2.8 A; POTENTIAL: 380 VAC; PEDESTAL MOUNTED, FEMCO, GEC	25
141226	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1400 RPM; FRAME: DY905; CURRENT: 2.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 19 X LG 48 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION STAR, 50 HZ	25
140085	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 960 RPM; FRAME: DNV90L; CURRENT: 2.3 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 24 X LG 50 MM; PHASE: 3; 920 RPM, 1.1 HP, 3.1 A, BROOKS, 50 HZ	25
141197	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 930 RPM; FRAME: D90L; CURRENT: 3.6 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 20 X LG 50 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: D90L; 50 HZ	25
140687	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 2820 RPM; FRAME: DZ90S0; CURRENT: 3.3 A; POTENTIAL: 380 VAC; MOUNTING: B35 FLANGE; PHASE: 3; REFERENCE NO: B010230/005PB; GEC, DE BEARING 6205ZZ, NDE BEARING 6204ZZ, FOR 18KV AIR CIRCUIT BREAKER COOLING PUMP	25
141252	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 1400 RPM; FRAME: KOD7410; CURRENT: 5.9-3.4 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; GEORGI KOBALT, 50 HZ	25
140620	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 1415 RPM; FRAME: D100L; CURRENT: 4.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 58 MM; REFERENCE NO: D100L; PEDESTAL MOUNTED	25

141246	MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 930 RPM; FRAME: D100L; CURRENT: 4.4 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 58 MM; PHASE: 3; 960 RPM, CONNECTION STAR, 50 HZ	25
727777	MOTOR ELEC:2.2 KW;3000 RPM;112 M;3.97 A	25
141301	MOTOR, ELECTRIC: POWER: 2 KW; SPEED: 2400 RPM; FRAME: GCUFA64; CURRENT: 14 A; POTENTIAL: 220 V AC/DC; MOUNTING: FLANGE; SHAFT SIZE: DIA 32 X LG 82 MM; INSULATION CLASS: B; REFERENCE NO: GWCUFA64; BBC	25
141244	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1435 RPM; FRAME: DZ100L; CURRENT: 5.1 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DZ100L; GEC, CONNECTION STAR, 50 HZ	25
141216	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1430 RPM; FRAME: LA100L1; CURRENT: 4.7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; REFERENCE NO: LA100L1; 50 HZ	25
141335	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1425 RPM; FRAME: LS100L1; CURRENT: 5.15-9 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; SERVICE FACTOR: S4; LEROY SOMER, CONNECTION DELTA/STAR, 50 HZ	25
141253	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1400 RPM; FRAME: KOD8413; CURRENT: 6.1 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; MAWKRDS 36, 50 HZ	25
141285	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 950 RPM; FRAME: DNV112MH; CURRENT: 6.4 A; POTENTIAL: 380 VAC; REFERENCE NO: DNV112MH; BROOK CROMPTON	25
140621	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 935 RPM; FRAME: D11ZM; CURRENT: 5.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 60 MM; PHASE: 3; PEDESTAL MOUNTED, CONNECTION STAR, 50HZ	25
141225	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 940 RPM; FRAME: D112MA; CURRENT: 5.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; REFERENCE NO: D112M; CONNECTION DELTA, 50HZ	25
140618	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 700 RPM; FRAME: MBL132S38-8; CURRENT: 6.8-11.5 A; POTENTIAL: 380/330 VAC; MOUNTING: PEDESTAL; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; REFERENCE NO: 6649081; 2.2 KW, PEDESTAL MOUNTED, CONNECTION DELTA/STAR, 50 HZ; MANUFACTURER:- ASEA	25
141214	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 705-715 RPM; FRAME: D13251; CURRENT: 6.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 6.3 AMP, FRAME SIZE DZ 132 S, GEC, CONNECTION STAR, 50 HZ	25
140594	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2800 RPM; FRAME: AD90-2; CURRENT: 7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP67; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AD90-2-85; CONNECTION STAR, 50HZ	25
665883	FAN: TYPE: CENTRIFUGAL; DIMENSIONS: WD 110 X LG 750 X HT 710 MM; VOLUME RATING: 0.46 M3/S; MATERIAL: MS; SPECIFICATION: PD5500:2018; BLADE QUANTITY: 36; DRIVER: MOTOR INDUCTION; SUPPL P/N: CMA528-2T8M-1.5; BLOWER SUCTION FLANGE: ROUND; FLANGE DIMENSIONS: ID 194 X OD 295MM; HOLE: 8; PCD: 255MM; HOLE DIA: 20MM; OUTLET FLANGE: RECTAGULAR; WATER DRAIN REQUIRED AT THE BOTTOM OF THE CASING; SAMPLE IS AVAILABLE	25

141241	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 955 RPM; FRAME: 13ZS; CURRENT: 8.2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; POLES: 2; PHASE: 3; CASING MATERIAL: CAST IRON; GEC, 4 KW, FRAME DX-112-MD, USED WITH SFP GLAND STEAM VENT FAN, CONNECTION DELTA, 50 HZ	25
141283	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1415 RPM; FRAME: T-DA100BD/01-45; CURRENT: 11.8-6.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 0.81; REFERENCE NO: 99281178; BROOK CROMPTON, FOR COAL FEEDER BELT, CONNECTION STAR, 50HZ	25
141250	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1400 RPM; FRAME: KOD8413; CURRENT: 11.6-6.7 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 28 X LG 58 MM; PHASE: 3; MAWKRDS 36, GEORGI KOBALT	25
250249	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1410 RPM; FRAME: 100L; CURRENT: 5.94 A; POTENTIAL: 380 V; MOUNTING: FLANGE VERTICAL; ENCLOSURE RATING: IP56; SHAFT SIZE: DIA 28 MM; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; DIRECTION: BI DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; REFERENCE NO: G064017; FOR USE AT NORTH AND SOUTH LIME PLANT, APPLICATION: DRAFT TUBE MIXER	25
252789	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1430 RPM; FRAME: 100L-B3/ST; CURRENT: 6.44 A; POTENTIAL: 380 V; MOUNTING: FLANGE; FOOT; ENCLOSURE RATING: IP55; TEFC; POLES: 4; SUPPL P/N: ZAP 1000; REFERENCE NO: ATW-36-4F-2; 075765/66	25
237293	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 950 RPM; FRAME: BG56; CURRENT: 7.3 A; POTENTIAL: 400 V; MOUNTING: IM B3 FLAT; ENCLOSURE RATING: IP55; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 0.8; SUPPL P/N: 1PP9113-6LA90-Z; 150MM SHAFT, STAR CONNECTION, POWER FACTOR 0.75, HORIZONTAL	25
141284	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 2820 RPM; FRAME: D112MA; CURRENT: 8.6 A; POTENTIAL: 380 VAC; PHASE: 3; GEC	25
141299	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1425 RPM; FRAME: MJUK112M4; CURRENT: 8.6 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 28 X LG 60 MM; INSULATION CLASS: E; PHASE: 3; GEC, 5.5 HP, 50 HZ	25
140566	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1430 RPM; FRAME: DX112MD; CURRENT: 9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 65 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; DRAWING NO: 2/72/08/008 BOO 2210/004 LB0 1286 REV 1; REFERENCE NO: B002210/004/OE; MODIFIED VERSION, MOTOR SHAFT MODIFIED AS PER DRAWING, BMM, CONNECTION DELTA, 50 HZ	25
140249	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1430 RPM; FRAME: DX112MD; CURRENT: 9 A; POTENTIAL: 380 VAC; REFERENCE NO: DX112MD	25
139555	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1420 RPM; CURRENT: 9.2 A; POTENTIAL: 380 VAC; SIEMENS	25
141219	MOTOR, ELECTRIC: POWER: 4.8 KW; SPEED: 1400 RPM; FRAME: DNV112MD; CURRENT: 10.9 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 28 X LG 58 MM; INSULATION CLASS: B; PHASE: 3; 4 KW, 1440 RPM, 8.2 AMP, BROOKS, CONNECTION DELTA, D112M	25
727785	MOTOR ELEC:4 KW;1000 RPM;132 MA;7.21 A;6	25

141545	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 720 RPM; FRAME: D160MD; CURRENT: 12.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 X LG 110 MM; CONNECTION LOCATION: TERMINAL BOX LHS; CLASSIFICATION: ASH/DUST/OIL; POLES: 8; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: IEC 60034; TYPE: CAGE INDUCTION; REFERENCE NO: D160MD; U1 TO 4 MILL GEARBOX LUB OIL	25
140552	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 2860 RPM; FRAME: DX132SD; CURRENT: 11.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 X LG 82 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: DX132SD; CONNECTION DELTA, 50 HZ	25
141256	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 2830 RPM; FRAME: D13251; CURRENT: 11.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: E; GEC, CONNECTION DELTA, 50 HZ	25
141339	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1400 RPM; FRAME: DVS132-S4; CURRENT: 11.8 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; INSULATION CLASS: E; PHASE: 3; NOTE, ONLY SEW EURODRIVE COMPLETE WITH BRAKE AND HANDWHEEL ACCEPTABLE, CONNECTION DELTA, 50HZ	25
140619	MOTOR, ELECTRIC: POWER: 4.9 HP; SPEED: 1440 RPM; FRAME: 002727; CURRENT: 10.7 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 28 X LG 35 MM; REFERENCE NO: 002727; 49 KW, PEDSETAL MOUNTED	25
141217	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1430 RPM; FRAME: DZ132SDB; CURRENT: 12 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: P; PHASE: 3; REFERENCE NO: DZ132SD; CONNECTION: DELTA, 50 HZ	25
140250	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1435-1440 RPM; FRAME: DZ132SD; CURRENT: 12.2 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION DELTA, 50 HZ	25
141255	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 950 RPM; FRAME: 132SD; CURRENT: 15.3 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 50 HZ	25
141292	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 970 RPM; FRAME: HJTL160M6; CURRENT: 12.5 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; REFERENCE NO: HJTL160M6; BBC, CONNECTION DELTA, 50 HZ	25
141237	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 950 RPM; FRAME: 132M; CURRENT: 13.9 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; INSULATION CLASS: B; PHASE: 3; SUPPL P/N: 1LA6134-6AA60-ZN00; FOR TRIPPER CARS, CONNECTION DELTA/STAR, 50HZ	25
141334	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2890 RPM; FRAME: 132SD; CURRENT: 15.5 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; GEC	25
141257	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2850 RPM; FRAME: DZ132SD; CURRENT: 15.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 2890 RPM, 15.8 A, CONNECTION DELTA	25
141293	MOTOR, ELECTRIC: POWER: 7-1/2 HP; SPEED: 2880 RPM; FRAME: MBT132SA2; CURRENT: 11.3-6.5 A; POTENTIAL: 380/660 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: F; PHASE: 3; 7.5 KW, 6.3 AMP, ASEA, CONNECTION DELTA/STAR, 50HZ	25

665885	FAN: TYPE: CENTRIFUGAL; DIMENSIONS: WD 235 X LG 820 X HT 750 MM; VOLUME RATING: 1.56 M3/S; MATERIAL: MS; SPECIFICATION: PD5500:2018; BLADE QUANTITY: 18; DRIVER: MOTOR INDUCTION; SUPPL P/N: CAM550-2T-7.5; BLOWER SUCTION FLANGE: ROUND; FLANGE DIMENSIONS: ID 270 X OD 395MM; HOLE: 8; PCD: 350MM; HOLE DIA: 22MM; OUTLET FLANGE: SQUARE; WATER DRAIN REQUIRED AT THE BOTTOM OF THE CASING; SAMPLE IS AVAILABLE	25
186207	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1460 RPM; FRAME: 132MD; CURRENT: 14.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE B5; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 38 MM; INSULATION CLASS: F; SERVICE FACTOR: 0.82; FOR SULZER POWER PACKS AT UNIT 1-6, CONNECTION DELTA	25
141274	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1440 RPM; FRAME: DPC160M; CURRENT: 18 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DPC160M; PEDESTAL MOUNTED, BMM, CONNECTION DELTA, 50 HZ	25
140580	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1450 RPM; CURRENT: 27-16.5 A; POTENTIAL: 220/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 40 X LG 80 MM; PHASE: 3; TEMPERATURE CLASS: 40 DEG C; SPECIFICATION: IEC 132M; REFERENCE NO: 8C-8774-3301-005; COMPLETE WITHH BRAKE, ROTOR KL16	25
140551	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1445 RPM; FRAME: D132MD; CURRENT: 12 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 38 X LG 80 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: D132MD; CONNECTION DELTA, 50 HZ	25
648505	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 8.92 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: DELTA; POLES: 4; PHASE: 3; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 6003-2-1:2007; TYPE: INDUCTION	25
641581	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 960 RPM; FRAME: 160M; CURRENT: 15.8 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: 41 MM; CONNECTION LOCATION: DELTA; INSULATION CLASS: F; PHASE: 3; DIRECTION: BI-DIRECTIONAL; TYPE: ERATOR	25
727776	MOTOR ELEC:7.5 KW;1000 RPM;160L;13.5 A;6	25
141294	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2890 RPM; FRAME: 160MD; CURRENT: 22.2 A; POTENTIAL: 380 VAC; MOUNTING: V1 FLANGE; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 42 MM; INSULATION CLASS: F; PHASE: 3; SHAFT DOWN MOUNTING, FLANGE 4 HOLE 16 MM, BOLT SIZE ON 300 MM PCD, ALSTOM GEC, CONNECTION STAR/DELTA	25
140550	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1450 RPM; FRAME: D160M; CURRENT: 22 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D160M; CONNECTION DELTA	25
727784	MOTOR ELEC:11 KW;1000 RPM;160L;19.8 A;42	25
141259	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 740 RPM; FRAME: 180L; CURRENT: 25 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B; PHASE: 3; CONNECTION DELTA, 50 HZ	25
141282	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 488 RPM; FRAME: D225M/LS4; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; CONNECTION LOCATION: RH; POLES: 12; PHASE: 3; SPECIFICATION: IEC 60034-1; SABS 1804-1/2; DRAWING NO: B22-AB-414 REV 1; REFERENCE NO: 1625; RE ASH CRUSHER, 8MM EARTH STUD IS REQUIRED ON THE MOTOR BELOW THE TERMINAL BOX, 50HZ	25

224550	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2930 RPM; FRAME: 160M; CURRENT: 28.8 A; POTENTIAL: 380-400 V; MOUNTING: B3 FOOT; SHAFT SIZE: 10 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: 1804-1-2; DRAWING NO: IEC 60034-1 REV 1; 0.86 SERVICE FACTOR, TO BE USED ON TURBINE PLANT, FOR AUXILLARY DEMIN PUMP AT UNIT 1.4 AND 6	25
139939	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2920 RPM; FRAME: DPC160L; CURRENT: 34 A; POTENTIAL: 380 VAC; PHASE: 3; REFERENCE NO: DPC160L	25
140466	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1460-1470 RPM; FRAME: 160L; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; INSULATION CLASS: B3; PHASE: 3; 15KW, 29AMP, CONNECTION DELTA, 50HZ	25
140200	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1450 RPM; FRAME: D355L; CURRENT: 32 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: OD 100 X LG 220 MM; PHASE: 3; 50 HZ	25
140521	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1480 RPM; FRAME: G160L4; CURRENT: 21.7 A; POTENTIAL: 525 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 28 X LG 42 MM; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AG01/02; PINION GEAR, DE SHIELD, FLENDER HIMMEL, FOR USE WITH FLY ASH AGITATOR, CONNECTION DELTA	25
140198	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1460 RPM; FRAME: 160L; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: 160L; 2860 RPM, FRAME SIZE DPC 160M, PEDESTAL MOUNTED, GEC	25
141263	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 970 RPM; FRAME: 180L; CURRENT: 32 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; TEFC; SHAFT SIZE: DIA 48 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA; 0.82 SERVICE FACTOR	25
141264	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 720 RPM; FRAME: 200L; CURRENT: 31.5 A; POTENTIAL: 380 VAC; SHAFT SIZE: DIA 55 X LG 118 MM; INSULATION CLASS: B3; CONNECTION DELTA, 50 HZ	25
141300	MOTOR, ELECTRIC: POWER: 18 KW; SPEED: 2935 RPM; FRAME: VJTL180M2; POTENTIAL: 380 VAC; MOUNTING: FLANGE; REFERENCE NO: VJTL180M2; 18.5KW, GEC	25
141210	MOTOR, ELECTRIC: POWER: 18 KW; SPEED: 1460 RPM; FRAME: VJTL180M; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 48 X LG 108 MM; INSULATION CLASS: B; REFERENCE NO: D180MD; 18.5 KW, CONNECTION DELTA	25
141275	MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 1460 RPM; FRAME: D180M; CURRENT: 37.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 110 MM; INSULATION CLASS: B3; PHASE: 3; G E C, CONNECTION DELTA, 50 HZ	25
141290	MOTOR, ELECTRIC: POWER: 1.89 KW; SPEED: 900 RPM; FRAME: FG001240; CURRENT: 18 A; POTENTIAL: 110/380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 12 X LG 20 MM; REFERENCE NO: FG001240; 1.85 KW	25
140156	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2935 RPM; FRAME: D180M; CURRENT: 39.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 114 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; TYPE: INDUCTION; CMR, FOR SEAL WATER PUMP, CONNECTION: DELTA, 50 HZ	25
141302	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2925 RPM; FRAME: MJTL180M25P; CURRENT: 42.9 A; POTENTIAL: 380 VAC; BBC	25
141231	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2930 RPM; FRAME: D180M; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; PEDESTAL MOUNTED	25
141291	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2960 RPM; FRAME: D100L; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: D100L; PEDESTAL MOUNTED	25

139610	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1455 RPM; FRAME: DG180L; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 52 X LG 110 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: DX180L; PEDESTAL MOUNTED, 4 HOLES 12 MMD, MOUNTING CENTERS 280 MM X 280 MM, 280 MM PARALLEL TO SHAFT AXIS, CENTER OF SHAFT TO MOUNTING SURFACE 180 MM, CONNECTION DELTA, 50 HZ, IC0141	25
141281	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1460 RPM; FRAME: D180L; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 48 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: TEFC D180L; PEDESTAL MOUNTED	25
221278	MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2940 RPM; FRAME: 180M; CURRENT: 4.2 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 50 MM; POLES: 2; INSULATION CLASS: CL F; PHASE: 3; SUPPL P/N: BD 2676; DRAWING NO: 2163 REV 1; TO BE USED IN TRB-B BLOWER, CONNECTION DELTA, 1.3 SERVICE FACTOR, 50 HZ	25
141236	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2960 RPM; FRAME: D200L; CURRENT: 61 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 55 X LG 112 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; GEC, CONNECTION DELTA	25
141295	MOTOR, ELECTRIC: POWER: 26/30 KW; SPEED: 2945 RPM; FRAME: MJTL200L2; CURRENT: 49-65 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; PHASE: 3; CEM BBC, SIEMENS, CONNECTION STAR, 50 HZ	25
141209	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2950 RPM; FRAME: D200L; CURRENT: 45 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 112 MM; INSULATION CLASS: B; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D200L; 40 HP, 63 A, CONNECTION DELTA, 50 HZ	25
140614	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2935 RPM; FRAME: D286/GZ20; CURRENT: 41.5 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 48 X LG 140 MM; INSULATION CLASS: E; PEDESTAL MOUNTED, AEI, 50 HZ	25
139723	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: VJUL200L2; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; REFERENCE NO: VJUL200L2; 2930 RPM, BBC, CONNECTION DELTA	25
140615	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 58 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 118 MM; INSULATION CLASS: B3; PHASE: 3; FLANGE MOUNTED, SIEMENS	25
139608	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470-1475 RPM; FRAME: 225S; CURRENT: 59 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 60 X LG 150 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25
141260	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 980 RPM; FRAME: 225M; CURRENT: 69 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; PEDESTAL MOUNTED, SIEMENS, CONNECTION DELTA, 50 HZ	25
140567	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 2945-2950 RPM; FRAME: 200L; CURRENT: 68 A; POTENTIAL: 380 VAC; SUPPL P/N: 1LA6207-2AA70Z; REFERENCE NO: 200L; ROTOR KL 16	25
140406	MOTOR, ELECTRIC: POWER: 37/45 KW; SPEED: 2945 RPM; FRAME: 225M2/GEC 225MD; CURRENT: 72-90 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: TEFC; INSULATION CLASS: F; PHASE: 3; FOR UNIT 1 TO 6 POWER OIL PUMP, ALSTOM GEC, CONNECTION STAR / DELTA, VERTICAL MOUNTED SHALF DOWN	25

141211	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1475 RPM; FRAME: OUX225S4; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, BBC, CONNECTION DELTA, 50 HZ	25
141238	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 980 RPM; FRAME: 250M; CURRENT: 71 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25
140613	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2950 RPM; FRAME: D225MD; CURRENT: 92.6 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 55 X LG 108 MM; REFERENCE NO: D225MD; BBC	25
658483	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2960 RPM; FRAME: 225 S/M; CURRENT: 78.6 A; POTENTIAL: 380 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: F; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80 K; SUPPL P/N: 004.1444; WATER CANNON SUPPLY PUMP MOTOR VSD	25
140617	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2925 RPM; FRAME: C200M; CURRENT: 89 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: C200M; PEDESTAL MOUNTED, BMM	25
141269	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 2960 RPM; FRAME: 225M; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; PEDESTAL MOUNTED, SIEMENS, 50 HZ	25
141265	MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1465 RPM; FRAME: D225M; CURRENT: 89 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: D225M; CONNECTION DELTA, 50 HZ	25
141266	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2965 RPM; FRAME: D250M; CURRENT: 104 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B3; PHASE: 3; CONNECTION DELTA, 50 HZ	25
141270	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2920 RPM; FRAME: DPC200L; CURRENT: 103 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP23; SHAFT SIZE: DIA 60 X LG 140 MM; CONNECTION LOCATION: RH SIDE; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; REFERENCE NO: DPC200L; CONNECTION DELTA, 50 HZ	25
141203	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2930 RPM; FRAME: H7976/4; CURRENT: 105 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 60 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; 75 HP, CONNECTION DELTA, 50 HZ	25
140616	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1475 RPM; FRAME: 250M; CURRENT: 102 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; REFERENCE NO: 18298; 250M; PEDESTAL MOUNTED, CONNECTION DELTA, 50 HZ	25
141195	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1484 RPM; FRAME: D250S; CURRENT: 109 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 70 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; PEDESTAL MOUNTED, GEC, CONNECTION DELTA, 50 HZ	25
141258	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2971 RPM; FRAME: 280S; POTENTIAL: 380 VAC; MOUNTING: FOOT; REFERENCE NO: 280S	25

141268	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1470 RPM; FRAME: DPC350M; CURRENT: 105 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 75 X LG 138 MM; INSULATION CLASS: B; PHASE: 3; REFERENCE NO: DPC350M; 100 HP, CONNECTION DELTA, 50 HZ	25
140288	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1472 RPM; FRAME: 1LA52554YA70; CURRENT: 144 A; POTENTIAL: 380 VAC; REFERENCE NO: 1LA52554YA70	25
141200	MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1480 RPM; FRAME: D250M; POTENTIAL: 380 VAC; MOUNTING: FOOT; PEDESTAL MOUNTED	25
727765	MOTOR ELEC:90 KW;3000 RPM;280S;162 A;380	25
141240	MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1480 RPM; FRAME: D280S; CURRENT: 177 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 80 X LG 168 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; GEC, CONNECTION DELTA	25
648434	MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1500 RPM; FRAME: PPA280S80; CURRENT: 157 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 80 MM; CONNECTION LOCATION: DELTA; POLES: 4; DIRECTION: BI DIRECTIONAL; TYPE: BUFFALO FITTER	25
141338	MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 2950 RPM; FRAME: C250M; CURRENT: 200 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; 150 HP, FRAME DPC 350M, GEC, CONNECTION DELTA, 50 HZ	25
141201	MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1481 RPM; FRAME: D280M; CURRENT: 201 A; POTENTIAL: 380 VAC; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 86 X LG 168 MM; PHASE: 3; BMM	25
141273	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 2969 RPM; FRAME: DPC280S; CURRENT: 228 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 65 X LG 140 MM; INSULATION CLASS: B; PHASE: 3; 2960 RPM, GEC, CONNECTION DELTA, 50 HZ	25
141202	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 1485 RPM; FRAME: D315S; CURRENT: 244 A; POTENTIAL: 380 VAC; GEC	25
141235	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 974 RPM; FRAME: VC315MD; CURRENT: 253 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 90 X LG 168 MM; INSULATION CLASS: F; PHASE: 3; REFERENCE NO: VC315MD; CONNECTION DELTA, 50 HZ	25
141267	MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 2967 RPM; FRAME: C2315M; CURRENT: 35 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; SHAFT SIZE: DIA 70 X LG 140 MM; INSULATION CLASS: F; PHASE: 3; BMM, GEC, CONNECTION DELTA, 50 HZ	25
662529	MOTOR ELEC:200 KW;1485 RPM;DG315MX;365.3	25
141204	MOTOR, ELECTRIC: POWER: 220 KW; SPEED: 1489 RPM; FRAME: D315ME; CURRENT: 396 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 17.2 X LG 85 MM; INSULATION CLASS: F; PHASE: 3; GEC, CONNECTION DELTA, 0.88 SERVICE FACTOR	25
<u>525V LV Motors</u>		
751469	MOTOR ELEC:220 KW;1500 RPM;PPA315L85;302	25
751468	MOTOR ELEC:225 KW;1500 RPM;315LX;309 A;4	25
<u>690V LV Motors</u>		
666774	MOTOR, ELECTRIC: POWER: 355 KW; SPEED: 1490 RPM; FRAME: 355M/L; CURRENT: 364 A; POTENTIAL: 690 V; MOUNTING: FOOT SLOTTED; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 100 MM; CONNECTION LOCATION: RHS; CLASSIFICATION: SAFE; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80 (B); DIRECTION: BI-DIRECTIONAL; SPECIFICATION: IEC60034; TYPE: INDUCTION MOTOR; COMPATIBLE TO RUN WITH A VSD	25

<u>DC MOTORS</u>		
140196	MOTOR, ELECTRIC: POWER: 9.5 KW; SPEED: 2700 RPM; FRAME: GWCUFAL84; CURRENT: 61 A; POTENTIAL: 220 VAC	15
592505	MOTOR, ELECTRIC: POWER: 5 KW; SPEED: 3000 RPM; FRAME: GWCUFAL64A; CURRENT: 31 A; POTENTIAL: 220 VDC; MOUNTING: FLANGE; ENCLOSURE RATING: IP54; SHAFT SIZE: DIA 32 MM; CONNECTION LOCATION: RH SIDE; INSULATION CLASS: F; CASING MATERIAL: STEEL; SERVICE FACTOR: S5; TEMPERATURE CLASS: F; TYPE: DC LUBE OIL PUMP	15
<u>Ash crusher motor</u>		
141282	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 488 RPM; FRAME: D225M/LS4; CURRENT: 44 A; POTENTIAL: 380 VAC; MOUNTING: B3 FOOT; CONNECTION LOCATION: RH; POLES: 12; PHASE: 3; SPECIFICATION: IEC 60034-1; SABS 1804-1/2; DRAWING NO: B22-AB-414 REV 1; REFERENCE NO: 1625; RE ASH CRUSHER, 8MM EARTH STUD IS REQUIRED ON THE MOTOR BELOW THE TERMINAL BOX, 50HZ	20
<u>BFPT GSC VENT FAN MOTOR</u>		
140594	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2800 RPM; FRAME: AD90-2; CURRENT: 7 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP67; INSULATION CLASS: F; PHASE: 3; SUPPL P/N: AD90-2-85; CONNECTION STAR, 50HZ	20
141257	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2850 RPM; FRAME: DZ132SD; CURRENT: 15.1 A; POTENTIAL: 380 VAC; MOUNTING: FLANGE; SHAFT SIZE: DIA 38 X LG 80 MM; PHASE: 3; 2890 RPM, 15.8 A, CONNECTION DELTA	20
<u>Fan Units Motors</u>		
751470	FAN ELEC:AXIAL;710 MM;400 V;0.5 A;0.37	5
751472	FAN ELEC:AXIAL;710 MM;400 V;1.26 A;0.55	5
751471	FAN ELEC:AXIAL;710 MM;400 V;1.26 A;0.55	5
751467	FAN ELEC:AXIAL;280S MM;400 V;135 A;75 KW	5
751466	FAN ELEC:AXIAL;160M MM;400 V;30 A;15 KW	5
141295	MOTOR, ELECTRIC: POWER: 26/30 KW; SPEED: 2945 RPM; FRAME: MJTL200L2; CURRENT: 49-65 A; POTENTIAL: 380 VAC; MOUNTING: FOOT; ENCLOSURE RATING: TEFC; SHAFT SIZE: DIA 55 X LG 108 MM; INSULATION CLASS: B; PHASE: 3; CEM BBC, SIEMENS, CONNECTION STAR, 50 HZ	5
<u>Variable Speed Drives and Soft Starters</u>		
747810	VSD ELECT:VSD;460 A;690 V;3/I/P 355 KW	10
749826	STARTER, ELECTRIC MOTOR: CONTACT RATING: 18 A; INDUSTRY SIZE: 7.5 KW; TYPE: HYBRID; COIL VOLTAGE: 110-250 VAC; MANUF P/N: 3RW5514-AHA14; SOFT STATER FOR USE IN THE TRIPPER CARS	15

2.1 Purchaser's design

Not applicable to this contract

2.2 Procedure for submission and acceptance of Supplier's design

Not applicable to this contract

2.3 Other requirements of the *Supplier's* design

- a) The supply of the goods shall include technical datasheets.
- b) All goods shall be packaged in a way that prohibits mechanical damage to components.
- c) Damaged goods as a result of *Supplier's* fault shall be corrected at the *Supplier's* cost.
- d) All goods or material are to be designed and manufactured in accordance with the applicable design standards.

2.4 Use of *Supplier's* design

The *Purchaser* is allowed to the designs, drawings and documents for the purpose of verifying goods supplied and the fulfilment of PQP/QCP.

2.5 Manufacture & fabrication

Not applicable to this contract

2.6 Factory acceptance testing (FAT)

Not applicable to this contract

2.7 Other tests and inspections and commissioning in place of use

Not applicable to this contract

2.8 Operating manuals and maintenance schedules

- a) The data books of goods supplied includes maintenance procedure and procedures proposed quality control procedures for future maintenance efforts.
- b) Maintenance manuals and storage procedure to be submitted upon delivery of the goods.

3 Supply Requirements

- a) *Supplier* must confirm delivery lead time of items upon receipt of order.
- b) All purchased goods must be delivered at Kriel Power Station stores.
- c) The *Supplier* to ensures the goods are delivered during working hours and reasonable time must be allocated for gate access, off-loading, paperwork processing. Working Hours for Kriel Power Station are as follows: Monday to Thursday – 07h00 to 16h15 and Friday 07h00 to 12h00.
- d) Where deliveries are to be made outside the working ours, the *Supplier* need to confirm the availability of Kriel Power Station Stores Receiving personnel before dispatching the items.
- e) Supply and deliver goods according to specification as per the SOW and handle defective Material and premature failure of components.
- f) The *Supplier* shall be prepared to provide goods within an acceptable delivery period when urgently required.
- g) The *Supplier* shall ensure that the correct spare is supplied and will replace or be liable for damage at his/her cost if the incorrect or defective spare/s is supplied. The costs may include, but not limited to replacement because of a defective or incorrect spare.
- h) The *Employer's* (i.e., Eskom Holdings SOC) acceptance of delivered spare/s does not absolve the *Supplier* of the liability to supply the correct and/or defect free spare.
- i) The *Supplier* shall, at the *Employer's* discretion, be given access to the plant to verify the information of the installed spare.
- j) The spare shall be the same (i.e., same Part Number) as specified on this scope of work and the part number will also be used to perform quality control checks.

- k) The *Employer* shall at his/her discretion make the *Employer's* Engineer or employees or others available to the *Supplier* for the purpose of soliciting additional information or verifying information as the need arises.
- l) The *Supplier* will supply any additional information such as brochure, general arrangement drawing, certificates, detailed specification, etc.
- m) The *Supplier* shall provide the *Employer* with additional spares information and verifies information required in the data capturing forms (DCF) if provided at least three months after order placement or conclusion of the contract or (where lead time is less than three months) a week before delivery of respective spare.
- n) The *Supplier* shall supply preservation and storage procedure/s, where applicable.
- o) The Spares Procurement maximum limit indicated by the *Employer* on the attached table is the maximum number of spares the *Employer* may require at any given time during the five-year period of the contract. However, the *Supplier* shall only supply the quantity as specified by the *Employer* in the individual order instruction and does not imply that the *Supplier* is entitled to supply the total number indicated in the Spares Procurement maximum limit
- p) *Supplier* shall deliver only goods and quantity stated on the SOW.

4 Specification of the services to be provided

Not applicable to this contract.

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- a) Supplier shall supply the goods as per the purchase order issued to them by the *Purchaser*.
- b) The early warning as per clause 16.1 is used to communicate the changes on agreed delivery schedule/programme.

5.2 Work to be done by the Delivery Date

- a) The supply of the goods shall include technical datasheets.
- b) All goods shall be packaged in a way that prohibits mechanical damage to components.
- c) Damaged goods as a result of Supplier's fault shall be corrected at the Supplier's cost.

5.3 Marking the goods

Not applicable to this contract.

5.4 Constraints at the delivery place and place of use

- a) All deliveries shall be arranged within Kriel Power Station normal working hours as stipulated in section 3 of this document.
- b) The *Supplier* applies for temporary access permits (Contractor's Permit) at the Security gate, prior to the Possession Date.
- c) The *Supplier's* personnel are required to be in possession of Permit at all times.
- d) All *Supplier's* personnel are issued with a temporary access permit which contains the following information:
 - Name
 - ID Number
 - Company
 - Validity date
- d) No unauthorised vehicles are allowed on site.

5.5 Cooperating with Others

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

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

- a) The availability of rigging equipment, cranes, or forklift and the relevant operators must be confirmed with the Kriel Power Station (Supply Manager) before dispatching goods.

5.7 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Overall Contract progress and feedback	Quarterly or as and when urgent need arises	either face to face or virtual at a convenient venue	Purchaser, Supplier, and Cross functional team members

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

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

5.8 Documentation control

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

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

- a) General Arrangement drawing
- b) Technical datasheets
- c) Operating and Maintenance manual

5.9 Health and safety risk management

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

5.10 Environmental constraints and management

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

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

5.11 Quality

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

5.12 Invoicing and payment

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

The *Contractor* shall address the tax invoice to

Invoiceseskomlocal@eskom.co.za

and include on each invoice the following information:

- Name and address of the *Contractor* and the *Service Manager*;
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Employer's* VAT registration number 4740101508;
- Description of service provided for each item invoiced based on the Price List;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- Purchase order number

- Invoice number
- GR Number
- Supplier's Banking details

5.13 Insurance provided by the *Purchaser*

Not applicable to this Contract

5.14 Contract change management

- a) The change management process to be followed as per the core clause 16.1.
- b) Any verbal instruction/communication must be backed with a written instruction; the use of minutes, letters or emails is accepted.
- c) Any change in management by the *Supplier* must be communicated with the *Supply manager*.
- d) If the *Employer's Supply Manager* change, the *Supplier* shall be notified by the *Employer* as soon as possible to ensure that the *Contractor* follows the correct communication channel.

5.15 Provision of bonds and guarantees

Not Applicable to this Contract.

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

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

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

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

6.1.2 Limitations on subcontracting

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

6.1.3 Spares and consumables

Not applicable to this Contract

6.1.4 Other requirements related to procurement

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

6.1.5 Cataloguing requirements by the *Supplier*

Not applicable to this Contract

7 List of drawings

7.1 Drawings issued by the *Purchaser*

Not applicable to this Contract

C3.2 *SUPPLIER'S* GOODS INFORMATION

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

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

This section could also be compiled as a separate file.
