



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 LV Motors at Medupi Power
Station for a period of 60 months (5 years) on an as
and when required (ADHOC)**

Contents:	No of pages
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Part C2 Pricing Data	[•]
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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

Contents:	No of pages
C1.1 Form of Offer and Acceptance	[•]
[to be inserted from Returnable Documents at award stage]	
C1.2a Contract Data provided by the <i>Purchaser</i>	[•]
C1.2b Contract Data provided by the <i>Supplier</i>	[•]
[to be inserted from Returnable Documents at award stage]	
C1.3 Proforma Guarantees	[•]

C1.1 Form of Offer & Acceptance

Offer

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

Supply and delivery of LV Motors at Medupi Power Station for a period of 60 months (5 years) on an as and when required (ADHOC)

The tenderer, identified in the Offer signature block, has

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

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

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

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

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

**for the
Purchaser**

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

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

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

Note:

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

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

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

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

	For the tenderer:	For the Purchaser
Signature	_____	_____
Name	_____	_____
Capacity	_____	_____
On behalf of	(Insert name and address of organisation)	Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199
Name & signature of witness	_____	_____
Date	_____	_____

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

Claus e	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) ²	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	[•]
	Fax No.	[•]
10.1	The <i>Supply Manager</i> is (name):	Lebo Pebane
	Address	Medupi Power station
	Tel	017 612 6663
	Fax	N/A
	e-mail	pebanel@eskom.co.za
11.2(13)	The <i>goods</i> are	LV Motors
11.2(13)	The <i>services</i> are	Supply and delivery of LV motors at Medupi Power Station for a period of 60 Months (5 years) on an as and when required (ADHOC)
11.2(14)	The following matters will be included in the Risk Register	Late delivery, Delivery of a wrong, Obsolete spares/ items

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

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	Two (2) weeks	
2	The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	TBC	
30.1	The <i>delivery date</i> of the goods and services is:	goods and services	delivery date
		1	As per purchase order
		2	
		3	
30.2	The <i>Supplier</i> does not bring the goods to the Delivery Place more than one week before the Delivery Date.	As per agreed date on the purchase order	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	One (1) week of the Contract Date.	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	Two (2) weeks.	
4	Testing and defects		
42	The <i>defects date</i> is	Fifty-two (52) weeks after Delivery.	
43.2	The <i>defect correction period</i> is	To be agreed within 48 Hours, on the first working day from receipt of the Purchaser's written defects notification	
	except that the <i>defect correction period</i> for	[•] is [•] weeks	
	and the <i>defect correction period</i> for	[•] is [•] weeks	
42.2	The <i>defects access period</i> is	Five (5) days	
	except that the <i>defect access period</i> for	[•] is [•]	
	and the <i>defect access period</i> for	[•] is [•]	
5	Payment		
50.1	The <i>assessment interval</i> is	between the twenty-five (25) days of each successive month.	
51.1	The <i>currency of this contract</i> is the	South African Rand	

51.2	The period within which payments are made is	Eight to nine (8-9) weeks after valid invoice is accepted.
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	Only the risks under sub-clause 80.1 of the NEC3 SC
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:	R[•] [This is a commercial decision, but consider using the total of the Prices. Delete this note after inserting a Rand amount]
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	R[•] [This is a commercial decision, but consider using at least the total of the Prices. Delete this note after inserting the Rand amount]
88.5	The <i>end of liability date</i> is	One (1) year after Delivery of the whole of the goods and services.

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	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]
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	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee of
	- if the arbitration procedure does not state who selects an arbitrator, is	the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1	Price adjustment for inflation	
X1.1	The <i>base date</i> for indices is	Rates are fixed and firm for first 12 months after first order placement date. There after CPA escalation will apply. Base date will be the month before the month which the enquiry closes.
	The proportions used to calculate the Price Adjustment Factor are:	proportion linked to index Index prepared by ion for

		5%.	Labour	SEIFSA Table C3-AHPE
		60%	Material	SEIFSA Table G1- Electrical engineering
		20%.	Transportation	SEIFSA Table L2A- Road freight costs
		15%	non-adjustable	
		100		
X2	Changes in the law			
X2.1	A change in the law of		[•] is a compensation event if it occurs after the Contract Date	
X7	Delay damages			
X7.1	Delay damages for Delivery are		Delivery of	amount per day
No.	KPA	Employer's Requirement	Damages payable by Contractor	
1	On time delivery to Medupi Power Station	All deliveries to be delivered as per agreed lead time of the contract working from the time the supplier acknowledge receipt of an official Eskom Order Number that start with 45 number	5% of full purchase order cost for 10days of delay of purchase order up to maximum of 10% of total value.	
2	On time delivery to Medupi Power Station	All deliveries to be delivered as per agreed lead time of the contract working from the time the supplier acknowledge receipt of an official Eskom Order Number that start with 45 number	Failure to deliver will lead to contract termination. And a contractor will not be considered to do business with Medupi Power Station for two (2) years after termination of a contract	
X17	Low performance damages			
X17.1	The amounts for low performance damages are:		amount	performance level
			Contractor's full cost	for Premature failure and defects rectification
			5% of Purchase order value	for Defects between 32-45 days
			7.5% of Purchase order value	for Delays between 46-59 days
			10% of Purchase order value	for Delays between 60 days and more
Z	The additional conditions of contract 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.

Z13Insurance

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

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

87

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

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

Nuclear Material Damage Terrorism	Per the insurance policy document
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Z14 Nuclear Liability

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

Z15 Asbestos

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

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

Safe Levels	means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
Standard	means the <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.
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 2010³ 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

³ 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	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Purchaser
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	Purchaser
For international procurement	Undertake export requirements	
	Undertake import requirements	
5. Information to be provided by the <i>Supplier</i>	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
For international procurement	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

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

C1.2 Contract Data

Part two - Data provided by the *Supplier*

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

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

Notes to a tendering supplier:

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

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

Clause	Statement	Data												
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.													
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:													
11.2(11)	The tendered total of the Prices is	R , (in words)												
11.2(12)	The <i>price schedule</i> is in:													
11.2(14)	The following matters will be included in the Risk Register													
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are													
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>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:													

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

⁵ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za

63.2

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

%

PART 2: PRICING DATA

NEC3 Supply Contract

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

C2.1 Pricing assumptions

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>.
		Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.

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

Function of the Price Schedule

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

Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

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

- event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

Format of the *price schedule*

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

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

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

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

C2.2 the *price schedule*

Material nr	Description	Unit	Quantity	Rate	Price
654300	MOTOR ELEC:75 KW;2967 RPM;IMB3;126/73 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2967 RPM; FRAME: IMB3; CURRENT: 126/73 A; POTENTIAL: 690 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 65 MM; CONNECTION LOCATION: LH SIDE; INSULATION CLASS: 155(F/B); PHASE: 3; MANUF P/N: K11R 280S 2; REFERENCE NO: 196802/0001H	EA	3		
616304	MOTOR ELEC:7.5 KW;2915 RPM;132M;14/8.1 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2915 RPM; FRAME: 132M; CURRENT: 14/8.1 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 41 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC EN 60034-1; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: K25R132M2KV5W-TWS-VIK-HW	EA	6		
615259	MOTOR ELEC:37 KW;2940 RPM;200L;66 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 2940 RPM; FRAME: 200L; CURRENT: 66 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 30 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: IE4 EFFICIENCY	EA	30		
599051	MOTOR ELEC:75 KW;1475 RPM;250S/M;IMB3 MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 130-75.4 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: 6316-C3; NON-DRIVE-END BEARING:6314-C3	EA	1		
599053	MOTOR ELEC:30 KW;1470 RPM;200L;IMB3 MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 56.2-32.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-	EA	2		

	DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: 6312-C3; NON-DRIVE-END BEARING: 6212-Z-C3				
633964	MOTOR ELEC:75 KW;1475 RPM;250S/M;131 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 131 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 70M6; CONNECTION LOCATION: LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 180; SPECIFICATION: INDUCTION MOTOR 400 V 75 KW 3 PH 4P; TYPE: INDUCTION; REFERENCE NO: 1006506537; SUPPL P/N: 1006506537; USED ON EMERGENCY ASH STACKER BOOM CONVEYOR, W22 PREMIUM EFFICIENCY IE2; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED	EA	2		
568195	MOTOR ELEC:7.5 KW;1455 RPM;132M;8.17 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 8.17 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: RHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 7,5KW 132M 690V IE2; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: PEPW2503030; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	11		
574026	MOTOR ELEC:37 KW;1500/1475 RPM;225 S/M MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1500/1475 RPM; FRAME: 225 S/M; CURRENT: 68.1 A; POTENTIAL: 400 V; MOUNTING: IMB35; ENCLOSURE RATING: IP55; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; TO BE SUPPLIED WITH TEST CERTIFICATE	EA	3		
696237	MOTOR HYD:RADIAL PISTON;I/P 8800 CM3/REV MOTOR, HYDRAULIC: TYPE: RADIAL PISTON; INPUT: 8800 CM3/REV; OUTPUT: 140 NM/BAR; SPEED: 170 RPM; INLET CONNECTION TYPE: SAE SPLIT FLANGE CONNECTOR; INLET CONNECTION SIZE: SAE 1 1/4 IN; OUTLET CONNECTION TYPE: SAE SPLIT FLANGE CONNECTOR; OUTLET CONNECTION SIZE: SAE 1 1/4 IN; SHAFT SIZE: ID 140 MM; APPLICATION: MEDUPI COAL STACKER BOOM DRIVE; OEM P/N: CA 140 140 CBONHO 02 00; REFERENCE NO: K14P 12517; COMPLETE WITH MDA 10 N 1 00 BRAKE AND TCA-	EA	4		

	14 TORQUE ARM; SHAFT TYPE: HOLLOW; MOUNTING TYPE: SHRINK DISC				
681290	MOTOR ELEC:75 KW;2970 RPM;280S;124/71 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2970 RPM; FRAME: 280S; CURRENT: 124/71 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS KK 400 A-SB EX E II; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: CLOCKWISE; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: K21R280 S2 KV NS LL VIK HW; MOTOR IS FITTED WITH BACKSTOP TYPE FXM 100-40 SX (RINGSPANN); MOTOR TO BE SUPPLIED WITH A CERTIFICATE	EA	6		
639409	MOTOR ELEC:M34160003PPA/405;160 KW;315M MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1486 RPM; FRAME: 315M; CURRENT: 259 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 85 MM; CONNECTION LOCATION: TOP; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: FEED PUMP MOTOR; OEM P/N: M34160003PPA/405; PPA315M85-4	EA	2		
636177	MOTOR ELEC:45 KW;1475 RPM;225M;IMB3 MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1475 RPM; FRAME: 225M; CURRENT: 80.2-46.5 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 223-4AH; DRIVE END BEARING 6313-C3; NON DRIVE END BEARING 6313-C3; THE MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD, NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT NUMBER 240-56361435, IS ENSURED	EA	3		
574034	MOTOR HYD:HP AXIAL PISTON;3800 RPM MOTOR, HYDRAULIC: TYPE: HP AXIAL PISTON; INPUT: 75 CM3/ICU; 420 BAR; OUTPUT: 120KW, 302 NM @ 250 BAR; SPEED: 3800 RPM; INLET CONNECTION TYPE: SAE SPLIT 2 HOLE FLANG CONNECTORS; INLET CONNECTION SIZE: 1 IN; OUTLET CONNECTION TYPE: SAE SPLIT 2 HOLE FLANG CONNECTORS; OUTLET CONNECTION SIZE: 1 IN; SHAFT SIZE: OD 34.51 X LG 39.5 SPLINED MM; APPLICATION: VARIABLE SPEED DRIVE; SPECIFICATION: ANSI 92.1; MANUF P/N: HMF75-02; FIXED DISPLACEMENT; SPLINES 16/32 WITH 21 TEETH; USED ON SSC HYDRAULIC DRIVE	EA	4		
616933	MOTOR ELEC:5.5 KW;1430 RPM;132S;10.8 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1430 RPM; FRAME: 132S; CURRENT: 10.8 A; POTENTIAL: 400 VAC; MOUNTING: IM B; FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 38 MM; CONNECTION LOCATION: SIDE;	EA	10		

	INSULATION CLASS: H/B RISE; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CLOCK WISE				
692908	MOTOR ELEC:4 KW;970 RPM;132;8.72 A;400 MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 970 RPM; FRAME: 132; CURRENT: 8.72 A; POTENTIAL: 400; MOUNTING: IMB5; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LEFT FROM DE; CLASSIFICATION: IEC 60034; POLES: 6; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; TYPE: SQUIRREL CAGE; REFERENCE NO: M36004003PPA/405; PPA132M; MOTOR COMES WITH DECODER ON NDE SIDE; SEPARATE MOTOR & FAN FOR COOLING 400V; 0.1KW; 0.22A 2 POLES AND CORBETTA BREAKS ON NDE MEG160; 380VAC; 70NM	EA	6		
679620	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1440 RPM; FRAME: 112 M; CURRENT: 8.12/4.71 A; POTENTIAL: 400/690 V; MOUNTING: IMV1; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: W22; SUPPLIERS TO PROVIDE DATA SHEETS WHEN RESPONDING TO RFQ; MOTOR FAN COWL TO INCLUDE RAIN COVER	EA	6		
666473	MOTOR ELEC:M32001103PPA/405;1.1 KW;80 MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 2880 RPM; FRAME: 80; CURRENT: 2.3 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: LEFT; INSULATION CLASS: H DIE CAST AL; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: SERVICE DEMIN WATER PUMP; OEM P/N: M32001103PPA/405; PPA80M19-2	EA	5		
659292	MOTOR ELEC:37 KW;1480 RPM;315;66.1 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1480 RPM; FRAME: 315; CURRENT: 66.1 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP44; SHAFT SIZE: 140 MM; CONNECTION LOCATION: LH SIDE; POLES: 4; CASING MATERIAL: CI; MANUF P/N: HS225S-L4; FOR MS40 SDR	EA	2		
582674	MOTOR ELEC:7.5 KW;1455 RPM;132M;14.8 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 14.8 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; TYPE: SQUIRREL CAGE; MANUF P/N: W22-IE1-132M; REFERENCE NO: 1010067774; IE1 STANDARD EFFICIENCY; USED ON STACKER TRAVEL DRIVES AND IS EQUIPED WITH A BRAKE; WITHOUT FEET	EA	15		
582675	MOTOR ELEC:9.2 KW;1465 RPM;200;17 A MOTOR, ELECTRIC: POWER: 9.2 KW; SPEED: 1465 RPM; FRAME:	EA	9		

	200; CURRENT: 17 A; POTENTIAL: 400 V; MOUNTING: FLANGE B14; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LH; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; TYPE: CONICAL ROTOR; MANUF P/N: KBA200B4; DRAWING NO: 0.84/10506 REV 0; REFERENCE NO: 43121580; SUPPLIED WITH BRAKE; USED ON RECLAIMER TRAVEL DRIVE				
528055	MOTOR ELEC:5.5 KW;960 RPM;132M;13 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 960 RPM; FRAME: 132M; CURRENT: 13 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 6; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; DIRECTION: ANTI CLOCKWISE; TYPE: INDUCTION; REFERENCE NO: 1001428495; FOR USE ON BALANCING TANK DISCHARGE PUMP ON SEWAGE PLANT	EA	4		
563180	MOTOR ELEC:90 KW;1485 RPM;280S/M;158 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1485 RPM; FRAME: 280S/M; CURRENT: 158 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB35 FOOT AND FF-500 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 75 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: SAFE ZONE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 90KW 280S/M 400V IE2; TYPE: SQUIRREL CAGE, INDUCTION MOTOR; MANUF P/N: W22 280 S/M; WEG; APPLICATION: CONVEYORS AT COAL STOCKYARD; FREQUENCY: 50HZ; LOCK ROTOR TORQUE: 210 PCT; BREAKDOWN TORQUE: 270 PCT; NOISE LEVEL: 69DBA; FULL LOAD TORQUE: 579 NM; FRONT BEARINGS: NU319-C3; AND REAR BEARINGS: 6316-C3; COLOUR: G29; COLLING: IC411; POWER FACTOR: 0.87; EFFICIENCY: 94.7 PCT; DUTY CYCLE: S1; AMBIENT TEMPERATURE: -20 TO 40 DEG C; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS	EA	3		
568190	MOTOR ELEC:75 KW;1475 RPM;250S/M;IP66 MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 131/76.2 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 65 MM; CONNECTION LOCATION: LHS FROM DE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 75KW 250S/M 400M; TYPE: SQUIRREL CAGE; MANUF P/N: 1LG4258-4AA60-2; SIEMENS	EA	3		
568191	MOTOR ELEC:340 KW;1488 RPM;355L;342 A MOTOR, ELECTRIC: POWER: 340 KW; SPEED: 1488 RPM; FRAME: 355L; CURRENT: 342 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 95 MM; CONNECTION LOCATION: LH/RH SIDE; CLASSIFICATION: ZONE 21; POLES: 4; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: 155 (F) DEG F; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE	EA	3		

	INDUCTION; MANUF P/N: 1PG8353-4PM80; EXT IIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR				
568193	MOTOR ELEC:37 KW;1475 RPM;225S;39.5 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1475 RPM; FRAME: 225S; CURRENT: 39.5 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155 (F); DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LG4220-4AA60; EXT IIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	2		
568194	MOTOR ELEC:30 KW;1465 RPM;200L;32.5 A MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1465 RPM; FRAME: 200L; CURRENT: 32.5 A; POTENTIAL: 690 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155(F); DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 1LG4 207-4AA60-Z; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 33207437320310; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED; EXT IIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR; MOTOR TO BE FITTED WITH COOLING FAN UNIT	EA	2		
580243	MOTOR:STARTER DC MOTOR: TYPE: STARTER DC; MANUF P/N: X52417200007	EA	4		
584987	MOTOR ELEC:48.95 KW;1482 RPM;250 M MOTOR, ELECTRIC: POWER: 48.95 KW; SPEED: 1482 RPM; FRAME: 250 M; CURRENT: 89/51 A; POTENTIAL: 400-690 V; MOUNTING: IMV1; ENCLOSURE RATING: IP65; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EX NA III T3; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B DEG C; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; DRAWING NO: 1LG4253-4AA64-Z REV 0; SUPPL P/N: 1LG4253-4AA64-Z; SUPPLY MOTOR WITH IA CERTIFICATE	EA	4		
614381	MOTOR ELEC:45 KW;1480 RPM;225M;79.1 A MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1480 RPM; FRAME: 225M; CURRENT: 79.1 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: C1; SERVICE FACTOR: S1; TEMPERATURE CLASS: 80K; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1804-1/2; MODEL NO: LS5223-4AH	EA	10		

	225M; REFERENCE NO: 4309162/005/GI; MOTOR MUST BE SUPPLIED WITH SPACE HEATER				
666689	MOTOR ELEC:30 KW;1500 RPM;200L;53.5 A MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1500 RPM; FRAME: 200L; CURRENT: 53.5 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; FOR HVAC PLANT	EA	4		
666692	MOTOR ELEC:45 KW;1500 RPM;225M;78.7 A MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1500 RPM; FRAME: 225M; CURRENT: 78.7 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	2		
666693	MOTOR ELEC:7.5 KW;1500 RPM;132M;14.6 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1500 RPM; FRAME: 132M; CURRENT: 14.6 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	4		
666696	MOTOR ELEC:3 KW;1500 RPM;100L;6.44 A MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1500 RPM; FRAME: 100L; CURRENT: 6.44 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	7		
666699	MOTOR ELEC:5.5 KW;1500 RPM;132S;10.8 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1500 RPM; FRAME: 132S; CURRENT: 10.8 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	6		
579198	MOTOR HYD:AXIAL PISTON;2400 RPM;M33 X2 MOTOR, HYDRAULIC: TYPE: AXIAL PISTON; INPUT: 500 BAR(MAX) 470 BAR (NOM); OUTPUT: 1872 NM@420 BAR; SPEED: 2400 RPM; INLET CONNECTION SIZE: M33 X2; OUTLET CONNECTION SIZE: M33; SHAFT SIZE: 50.06 MM;	EA	2		

	APPLICATION: FEEDER DRIVE; MANUF P/N: HVM280-02-0000; REFERENCE NO: N2X238A00557				
696614	MOTOR ELEC:7.5 KW;1445 RPM;132M;15.6 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1445 RPM; FRAME: 132M; CURRENT: 15.6 A; POTENTIAL: 400 V; MOUNTING: IMB5; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: CLASS F; PHASE: 3 PHASE AC; CASING MATERIAL: CI; SERVICE FACTOR: S1; DIRECTION: BI; SPECIFICATION: IEC 60034-1; TYPE: SQUARREL CAGE; OEM P/N: LS132M; KKS: 0LBY40 AP001-MO1.NO.: 699278 L17 036	EA	10		
582676	MOTOR HYD:HP AXIAL PISTON MOTOR MOTOR, HYDRAULIC: TYPE: HP AXIAL PISTON MOTOR; INPUT: 210 CM3/REV; OUTPUT: 835 NM; SPEED: 2700 RPM; SHAFT SIZE: 50.06 MM; APPLICATION: UNDER SILO FEEDER DRIVE; MANUF P/N: HVM210/90 E1-24V; REFERENCE NO: H2X237B00855; SWASH PLATE DESIGN; USED ON TERRACE UNDER SILO FEEDER DRIVE 01/02 ECB10/20/30AF001-MM01	EA	1		
636291	MOTOR GEARD:0.18 KW;0.6 A;0.51 RPM MOTOR, GEARED: POWER: 0.18 KW; CURRENT: 0.6 A; OUTPUT SPEED: 0.51 RPM; RATIO: 1410:0.51; POTENTIAL: 400/690 V; MOTOR SPEED: 1410 RPM; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; PHASE: 3; GEARBOX TYPE: CAUB42-Z10; CONNECTION LOCATION: D; INSULATION CLASS: F; SHAFT: DIA 11 MM; MOTOR TYPE: SQUIRREL CAGE M1B4; MODEL NO: PS-AT; REFERENCE NO: 30 60HCB62AT001-M01; 30 60HCB63AT001-M01; 30 60HCB65AT001-M01; 30 60HCB66AT001-M01; SUPPL P/N: 004.9942; DELTA/STAR +- 10%; 50HZ; PF +- 0.73/0.74; GEARBOX ADVANCING SHAFT; MV 210; OIL TYPE CLP PG VG460; OIL QUANTITY 2700/150CM3; SHAFT AT THE RIGHT HAND SIDE; WITH ADAPTOR KIT; GEAR RATIO 2764.7	EA	45		
636290	MOTOR GEARD:0.55 KW;1.6 A;3.7 RPM;270:1 MOTOR, GEARED: POWER: 0.55 KW; CURRENT: 1.6 A; OUTPUT SPEED: 3.7 RPM; RATIO: 270:1; POTENTIAL: 400/690 V; MOTOR SPEED: 1000 RPM; MOUNTING: PLATE; PHASE: 3; INSULATION CLASS: F; MOTOR TYPE: SQUIRREL CAGE; MANUF P/N: 004.9941; CAUB42 GEARBOX; EXTENDED SHAFT	EA	20		
636053	MOTOR ELEC:55 KW;2970 RPM;250S;IMB3 MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2970 RPM; FRAME: 250S; CURRENT: 96.8-56.1 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 253-2AH; DRIVE END BEARING 6314-C3; NON DRIVE END BEARING 6314-C3; THE MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD,	EA	6		

	NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT 240-56361435, IS ENSURED				
636048	MOTOR ELEC:30 KW;2950 RPM;200L;IMB3 MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2950 RPM; FRAME: 200L; CURRENT: 52.8-30.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 206-2AH; DRIVE END BEARING 6312-C3; NON DRIVE END BEARING 6312-C3; MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD, NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT 240-56361435 IS ENSURED	EA	1		
609176	MOTOR ELEC:37 KW;1470 RPM;225 S/M MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1470 RPM; FRAME: 225 S/M; CURRENT: 69.6-40.1 A; POTENTIAL: 380/660 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 60 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TYPE: AC CAGE INDUCTION; APPLICATION: DE GRITTING AGITATOR MOTOR	EA	4		
609179	MOTOR ELEC:4 KW;1435 RPM;112M;VERTICAL MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1435 RPM; FRAME: 112M; CURRENT: 8.35-4.81 A; POTENTIAL: 380/660 VAC; MOUNTING: VERTICAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC INDUCTION	EA	6		
621757	MOTOR ELEC:132 KW;2975 RPM;315S;FOOT MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 2975 RPM; FRAME: 315S; CURRENT: 221.9-123.1 A; POTENTIAL: 400/690 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 65 MM; CONNECTION LOCATION: STAR/DELTA; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; TEMPERATURE CLASS: 40 DEG C; DIRECTION: BI DIRECTIONAL; SPECIFICATION: M321-32003PPA/405; TYPE: HIGH PERFORMANCE; REFERENCE NO: OLOC3901; SUPPL P/N: PPA315565-2	EA	2		
635493	MOTOR ELEC:75 KW;1482 RPM;250M;136 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1482 RPM; FRAME: 250M; CURRENT: 136 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 70M6 MM; CONNECTION LOCATION: LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155 DEG C; TYPE: INDUCTION; REFERENCE NO: 1LG4 258-4AA60-Z; SUPPL P/N: 1LG4 258-4AA60-Z; SPECIFICATION: 75KW, 3 PHASE, 4 POLE	EA	1		

	INDUCTION MOTOR. USED ON MEDUPI POWER STATION ERC CONVEYOR, INCLUDING 0.48KW COOLING FAN MOTOR; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED				
635494	MOTOR ELEC:90 KW;1485 RPM;280S;160 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1485 RPM; FRAME: 280S; CURRENT: 160 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 65M6 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TYPE: INDUCTION; REFERENCE NO: 76966704; SUPPL P/N: 1LG4 283-4AA60-Z; SPECIFICATION: 90KW, 400V, 3 PHASE, 4 POLE INDUCTION MOTOR. USED ON MEDUPI POWER STATION EMERGENCY ASH RECLAIMER SCRAPER CONVEYOR; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED	EA	4		
639579	MOTOR ELEC:M32018503PPA/405;18.5 KW MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 2930 RPM; FRAME: 160L; CURRENT: 31.2 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: LEFT; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; DIRECTION: LH; TYPE: CIP PUMP; OEM P/N: M32018503PPA/405; PPA160L42-2	EA	3		
665890	MOTOR GEARD:18.5 KW;43 A;23 RPM;400 V MOTOR, GEARED: POWER: 18.5 KW; CURRENT: 43 A; OUTPUT SPEED: 23 RPM; RATIO: 1460/23 RPM; POTENTIAL: 400 V; MOTOR SPEED: 1460 RPM; MOUNTING: IMV1; ENCLOSURE RATING: IP66; PHASE: 3; GEARBOX TYPE: REDUCTION; CONNECTION LOCATION: GAH; DIRECTION: BI-DIRECTIONAL; INSULATION CLASS: F; MOTOR TYPE: GEARED; POLES: 4; SERVICE FACTOR: S1; SPECIFICATION: EN 60034; TEMPERATURE CLASS: F; MANUF P/N: 26647043-1; REFERENCE NO: A/188M7609; BF90X-71W/D16XB4W-TF/C3-SP; GAS AIR HEATER; 0.87 PF; ISO CI; 50 HZ; IM V1; 62L CLP 220	EA	11		
636052	MOTOR ELEC:75 KW;2970 RPM;250M;IMB3 MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2970 RPM; FRAME: 250M; CURRENT: 130.1-75.5 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 255-2AH; DRIVE END BEARING 6313-C3; NON DRIVE END BEARING 6313-C3; THE MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD, NAMELY THE TRANSPORT OF POWER STATION ELECTRIC	EA	1		

	MOTORS STANDARD DOCUMENT 240-56361435, IS ENSURED				
599054	MOTOR ELEC:330 KW;1490 RPM;355M/L;IMB3 MOTOR, ELECTRIC: POWER: 330 KW; SPEED: 1490 RPM; FRAME: 355M/L; CURRENT: 578-335 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 100 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: NU-322-C3; NON-DRIVE-END BEARING: 6319-C3	EA	8		
609174	MOTOR ELEC:55 KW;1475 RPM;250S/M;IP66 MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 97.1-56.3 A; POTENTIAL: 400-690 VAC; MOUNTING: HORIZONTAL/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: LH SIDE; PHASE: 3; TYPE: AC; APPLICATION: BOILER 1 AND 2 DE GRITTING PUMP	EA	2		
610650	MOTOR ELEC:45 KW;1475 RPM;225 S/M MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1475 RPM; FRAME: 225 S/M; CURRENT: 80.7-46.8 A; POTENTIAL: 400/690 VAC; MOUNTING: HORIZONTAL/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 60 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC CAGE INDUCTION; APPLICATION: BOILER 3 DEGRITTING PUMP 1 AND 2	EA	2		
612149	MOTOR ELEC:55 KW;1480 RPM;250S;93 A MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1480 RPM; FRAME: 250S; CURRENT: 93 A; POTENTIAL: 400 VAC; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: ETA-B 200-33 (J); TYPE: SQUIRREL CAGE; APPLICATION: DEMIN WATER RECYCLE PUMP; SERIES: PPA250S70-4	EA	2		
614008	MOTOR ELEC:4 KW;1455 RPM;112M;7.88 A MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1455 RPM; FRAME: 112M; CURRENT: 7.88 A; POTENTIAL: 400VAC; 50HZ; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: TEFC INDUCTION; APPLICATION: CAUSTIC AND SULPHURIC TRANSFER PUMPS 1 AND 2 AT CHEMICAL HANDLING AND	EA	2		

	DOSING PLANT; USED ON CAUSTIC SODA AND SULPHURIC ACID TRANSFER PUMP				
614010	MOTOR ELEC:4 KW;1455 RPM;112M;7.88 A MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1455 RPM; FRAME: 112M; CURRENT: 7.88 A; POTENTIAL: 400VAC; 50HZ; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: TEFC INDUCTION; APPLICATION: AMMONIA TRANSFER PUMP 1 & 2 AT CHEMICAL HANDLING AND DOSING PLANT	EA	2		
614377	MOTOR ELEC:5.5 KW;2880 RPM;132S;10.1 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 2880 RPM; FRAME: 132S; CURRENT: 10.1 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; DIRECTION: BI DIRECTIONAL; TYPE: CAGE INDUCTION; MODEL NO: LS4 130-2AH; REFERENCE NO: 4165183/009/HG	EA	5		
563181	MOTOR ELEC:90 KW;1480 RPM;280S;158.5 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1480 RPM; FRAME: 280S; CURRENT: 158.5 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: LS4 283-4AH; MANUF P/N: LS4 283-4AH; REFERENCE NO: 4423 156/005/GF; ACTOM	EA	1		
528054	MOTOR ELEC:30 KW;1465 RPM;200L;55-56 A MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1465 RPM; FRAME: 200L; CURRENT: 55-56 A; POTENTIAL: 400 VAC; MOUNTING: IMV1 FLANGE VERTICAL; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: RH; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: INDUCTION; AERATOR; FOR USE ON SEWAGE PLANT; MOTOR CASING TO BE CORROSION PROTECTED WITH HEAVY DUTY EPOXY PAINT FOR OUTSIDE USE; AND BE EQUIPPED WITH RAINHOOD	EA	4		
689942	MOTOR ELEC:69 KW;2978 RPM;280S;122 A MOTOR, ELECTRIC: POWER: 69 KW; SPEED: 2978 RPM; FRAME: 280S; CURRENT: 122 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 95 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; OEM P/N: 1LGA 280-2AB60-Z; BOILER WATER CANON MOTORS; KKS; HCC02/03 AP001 -M01	EA	6		

669253	MOTOR ELEC:55 KW;2970 RPM;250S;95 A MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2970 RPM; FRAME: 250S; CURRENT: 95 A; POTENTIAL: 400 V; MOUNTING: 1MV1; ENCLOSURE RATING: IP55; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS, EX NA IIC T3; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; MANUF P/N: 3GGP 251 210-BDG; TURBINE CENTRELINE LUB OIL SUPPLY EOP MOTOR; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE	EA	3		
669256	MOTOR ELEC:55 KW;2977 RPM;250S;96 A MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2977 RPM; FRAME: 250S; CURRENT: 96 A; POTENTIAL: 400 V; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS, EX NA II T3; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034-1; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 3GGP 251 220-BDG; TURBINE HYDRAULIC SUPPLY PUMP MOTOR; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE	EA	4		
669258	MOTOR ELEC:30 KW;1480 RPM;200M;55 A MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1480 RPM; FRAME: 200M; CURRENT: 55 A; POTENTIAL: 400 V; MOUNTING: IMB35; ENCLOSURE RATING: IP 55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034-1; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 3GBP 202 031-DG; TURBINE JACKING OIL PUMP MOTOR; IA CERTIFICATE TO BE SUPPLIED	EA	2		
674225	MOTOR ELEC:5.5 KW;1488 RPM;132M;11.4 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1488 RPM; FRAME: 132M; CURRENT: 11.4 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP 55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: 60034; TYPE: SYNCHRONOUS; MANUF P/N: 5AP1325-4-7AA	EA	12		
681309	MOTOR ELEC:4 KV;970 RPM;132M;8.5 A;400 V MOTOR, ELECTRIC: POWER: 4 KV; SPEED: 970 RPM; FRAME: 132M; CURRENT: 8.5 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 6; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1;	EA	4		

	TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: PPA132M-6				
681314	MOTOR ELEC:7.5 KW;2940 RPM;132S;15 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2940 RPM; FRAME: 132S; CURRENT: 15 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: PAA132SB-2	EA	5		
674229	MOTOR ELEC:35 KW;1750 RPM;200;183 A MOTOR, ELECTRIC: POWER: 35 KW; SPEED: 1750 RPM; FRAME: 200; CURRENT: 183 A; POTENTIAL: 220 VDC; ENCLOSURE RATING: IP 55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; INSULATION CLASS: H; CASING MATERIAL: CI; DIRECTION: 13I; TYPE: DC MOTOR; MANUF P/N: GNFZE	EA	6		
676442	MOTOR ELEC:55 KW;1480 RPM;250S;97 A MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1480 RPM; FRAME: 250S; CURRENT: 97 A; POTENTIAL: 400 V; MOUNTING: 1MB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: PPA250S-4; SUPPLIER TO PROVIDE DATASHEETS WHEN RESPONDING TO RFQ	EA	4		
676446	MOTOR ELEC:30 KW;1481 RPM;200L;53;IMB3 MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1481 RPM; FRAME: 200L; CURRENT: 53; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: PPA200L-4; SUPPLIERS TO SUBMIT DATA SHEETS WHEN RESPONDING TO RFQ	EA	1		
676447	MOTOR ELEC:90 KW;1489 RPM;280S;156 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1489 RPM; FRAME: 280S; CURRENT: 156 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 75; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: PPA280S-4; SUPPLIERS TO SUBMIT DATA SHEETS WHEN RESPONDING TO RFQ	EA	3		

666470	MOTOR ELEC:7.5 KW;2940 RPM;132S;13.3 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2940 RPM; FRAME: 132S; CURRENT: 13.3 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: LEFT; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: CONCENTRATE PUMP MOTOR; MANUF P/N: KWP-K 40-250 (C2)	EA	5		
666472	MOTOR ELEC:4 KW;970 RPM;132M;8.2 A;400 V MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 970 RPM; FRAME: 132M; CURRENT: 8.2 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: LEFT; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: SLUDGE RECYCLE PUMP; MANUF P/N: PPA132M-6	EA	4		
663640	MOTOR ELEC:7.5 KW;2900 RPM;132S;13.7 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2900 RPM; FRAME: 132S; CURRENT: 13.7 A; POTENTIAL: 400 VAC; MOUNTING: 1MB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80K; DIRECTION: B1-DIRECTIONAL; TYPE: ASH SILO CONDITIONER; MANUF P/N: LS4 131-2AH	EA	10		
639426	MOTOR ELEC:M32132003PPA/405;132 KW;315S MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 2982 RPM; FRAME: 315S; CURRENT: 215 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: RO2 FEED PUMP; OEM P/N: M32132003PPA/405; PPA315S65-2	EA	2		
639566	MOTOR ELEC:M34110003PPA/405;110 KW MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1480 RPM; FRAME: 250S/M; CURRENT: 181 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ETA 250-40 (03); TEMPERATURE CLASS: AMBIENT; TYPE: FEED PUMP MOTOR; OEM P/N: M34110003PPA/405; PPA280M80-4	EA	3		
639575	MOTOR ELEC:M34022003PPA/405;11 KW;160L MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2925 RPM; FRAME: 160L; CURRENT: 19.2 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: LEFT; INSULATION CLASS: STATOR (H); ROTOR (DIE CAST AL); PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; DIRECTION: ANTI CLOCKWISE; TYPE: BACKWASH BALANCE TANK DISCHARGE; OEM P/N: M34022003PPA/405; REFERENCE NO: PPA180L48-4	EA	2		
639306	MOTOR ELEC:M32015003PPA/405;15 KW;160M MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2935 RPM; FRAME:	EA	2		

	160M; CURRENT: 196.1 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; DIRECTION: ANTI CLOCK; TYPE: WASTE RO FEED PUMP MOTOR; OEM P/N: M32015003PPA/405; CPK-C80-200 (CM)				
636083	MOTOR ELEC:55 KW;1480 RPM;250S;IMB3 MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1480 RPM; FRAME: 250S; CURRENT: 97.6-56.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 253-4AH; REFERENCE NO: OGKA11/12/13 AP001-M01; OGME12/13/14/15 AP001-M01; BOTTOM ASH AND MILL REJECTS WATER SUPPLY SYSTEM, POTABLE WATER LP DISTRIBUTION PUMPS, DRIVE END BEARING 6315-C3; NON DRIVE END BEARING 6315-C3; THE MOTOR MUST TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT 240-56361435, IS ADHERED	EA	10		
610655	MOTOR ELEC:30 KW;1470 RPM;200L;IP66 MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 56.2-32.6 A; POTENTIAL: 400/690 VAC; MOUNTING: HORIZONTAL/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC CAGE INDUCTION; APPLICATION: BOILER 5 DEGRITTING PUMP	EA	2		
610657	MOTOR ELEC:5.5 KW;1445 RPM;132S;IP55 MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1445 RPM; FRAME: 132S; CURRENT: 11.60-6.7 A; POTENTIAL: 400/690 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; REFERENCE NO: 71.01174674.01.0001.12.00; SUPPL P/N: RX87DRS132S4; APPLICATION: RECOVERY OIL STORAGE TRANSFER PUMP	EA	4		
612147	MOTOR ELEC:90 KW;1489 RPM;280S;150 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1489 RPM; FRAME: 280S; CURRENT: 150 A; POTENTIAL: 400 VAC; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: ETA250-40(30); TYPE: SQUIRREL CAGE; SUPPL P/N: M34090003PPA/405; APPLICATION: UF BACKWASH PUMP; SERIES: PPA280S80-4	EA	3		

614379	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2930 RPM; FRAME: 132S; CURRENT: 13.8 A; POTENTIAL: 400 V; MOUNTING: IM B3 FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: 80K; DIRECTION: BI DIRECTIONAL; MODEL NO: LS5131-2AH; REFERENCE NO: 4168156/002/GF; 4166227/00/CG	EA	6		
618507	UNIT: TYPE: FORCED COOLING; APPLICATION: CAC AND T7/8 CONVEYORS; SPECIFICATION: 1LG4207-4AA60-Z; G17 SEPARATELY DRIVEN MOTOR AND MAIN MOTOR EXCLUDED; PART NO: XZM:33207437320310	EA	12		
667453	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 2955 RPM; FRAME: 200L; CURRENT: 53/31.1 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EX NA II T3; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034/EN60079-15; TYPE: MILL REJECT SYSTEM; MANUF P/N: 1LG4207-2AA90-Z	EA	3		
675677	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1485 RPM; FRAME: 100L L; CURRENT: 6.4 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: 1PP71074AA19-ZN03; INSPECTION AUTHORITY CERTIFICATE EXT T IIIC DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	13		
645373	MOTOR: TYPE: GEAR; OEM P/N: HTGD386127R0001; DRAWING NO: HTGD086494R0021/101 REV 0; GGMV800413/101 REV 0; TURBINE TURNING; WITH FREQUENCY CONVERTER; 2560 RPM	EA	2		
666475	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1465 RPM; FRAME: 200L; CURRENT: 56 A; POTENTIAL: 400 V; MOUNTING: IM V1 VERTICAL FLANGED; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: RH SIDE; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CASING IRON; DIRECTION: ANTI CLOCKWISE; TYPE: INDUCTION; MOTOR MOUNTING TO BE STANDARD IM V1 FLANGE.; CASING TO BE CORROSION PROTECTED WITH HEAVY DUTY EPOXY PAINT FOR OUTSIDE USE, AND MOTOR TO BE EQUIPPED WITH RAINHOOD. DETAILED DATA SHEET, DRAWINGS AND OPERATING AND MAINTENANCE MANUALS TO BE INCLUDED. APPLICABLE TO SEWAGE TREATMENT PLANT;	EA	1		

682030	MOTOR: TYPE: 3-PHASE AC; RATING: 37 KW; OEM P/N: WK4-101773P0001; DRAWING NO: WK4-101677R0010-25 REV 0; FOR COOLING WATER UNIT	EA	3		
721614	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1480 RPM; FRAME: 225S; CURRENT: 39.5 A; POTENTIAL: 690 V; MOUNTING: IM B3 FOOT; ENCLOSURE RATING: IP 65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: RHS FROM NDE; CLASSIFICATION: EX ZONE2; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155; DIRECTION: CW-CCW; SPECIFICATION: SANS 1804: 1&2; TYPE: SQUIRREL CAGE INDUCTION; AMBIENT TEMP: 40; FREQUENCY: 50HZ; WEIGHT: 373 KG; BEARING DE & NDE: 6313/C4; DUTY S1; MOTOR MUST BE SUPPLIED WITH IECEX CERTIFICATE	EA	2		
719640	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 2948; FRAME: 200 MLC; CURRENT: 65 ACRE; POTENTIAL: 400 V; MOUNTING: IMB3/IM1001; ENCLOSURE RATING: IP55; SHAFT SIZE: 55; CONNECTION LOCATION: TOP; CLASSIFICATION: EX DE II C; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; TEMPERATURE CLASS: T4; DIRECTION: BOTH SIDES; TYPE: 3KP2_M3KP_IE2_FLAMEPROOF_EXDE_MOTOR; SUPPL P/N: 3GKP201430-ADG; FACTOR: 0,89; IS: S1; MOUNTING: IMB3/IM1001; TOP CLASSIFICATION: LCIE 00ATEX 6027; IEC 60034-1; 3GKP201430-ADG,002; 114,148,461; MOTOR MUST BE SUPPLIED WITH AN IECEX CERTIFICAT	EA	8		
610654	MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1475 RPM; FRAME: 225 S/M; CURRENT: 66.6-38.6 A; POTENTIAL: 400/690 VAC; MOUNTING: HORIZONTAL/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 60 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC CAGE INDUCTION; APPLICATION: BOILER 4 DEGRITTING PUMP 1 AND 2	EA	2		
716600	MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 960 RPM; FRAME: 132M; CURRENT: 12.4/7.19 A; POTENTIAL: 400/690 V; MOUNTING: B3; ENCLOSURE RATING: IP55; SHAFT SIZE: 39 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON-HAZARDOUS; POLES: 6; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: ALUMINIUM CASE AND STEEL SHAFT; SERVICE FACTOR: S1; SPECIFICATION: IEC 60034; TYPE: CAGE TYPE INDUCTION MOTORS; SUPPL P/N: 202011D040016; REFERENCE NO: 6P-LS132M-5.5KW-IMV6-400V-50HZ; MOTOR: 3 PHASE; 6P LS132M; IM103(IMV6) 400VD; 50 HZ; 960 RPM; 13.7A; PF0.71; INSULATION: CLASS F; NAME PLATE: ALUMINIUM; RATED TORQUE: 54.7N.M; MOTOR WEIGHT 59.4 KG; SIZE LS 132 M	EA	15		
715358	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 1475 RPM; FRAME: 250M4; CURRENT: 97.9 A; POTENTIAL: 400 V;	EA	8		

	MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; SPECIFICATION: IEC 60034-1; TYPE: DM1 - CAST IRON SERIES 1 EFF2				
666584	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2800 RPM; FRAME: 90-IM B9; CURRENT: 7.6 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP68; SHAFT SIZE: DIA 25 MM; CONNECTION LOCATION: PLUG-SOCKET DE; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: ALUMINIUM; SERVICE FACTOR: S2; 15 MIN; TEMPERATURE CLASS: 140 DEG C; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: IEC 60034; TYPE: ACTUATOR; OEM P/N: SUPERSEDED BY 0592532; MANUF P/N: AD00 90-2/85; TO SUIT SA14.1; 63-90 RPM ACTUATOR	EA	10		
614380(SUPERSEDED 666476)	MOTOR, ELECTRIC: POWER: 55 KW; SPEED: 2970 RPM; FRAME: 250SM; CURRENT: 96.8 A; POTENTIAL: 400 V; MOUNTING: IM3011; V1 FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: EXNA IIC T3 GC; POLES: 2; INSULATION CLASS: F; CASING MATERIAL: CI; TYPE: SQUIRREL CAGE INDUCTION; OEM P/N: SUPERSEDED BY 0614380; SUPPL P/N: LS5 253-2AH 250S; REFERENCE NO: 4313	EA	1		
642606(SUPERSEDED 666565)	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1490 RPM; FRAME: 200L; CURRENT: 56 A; POTENTIAL: 400 V; MOUNTING: IMB35 FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP VERTICAL; INSULATION CLASS: F; OEM P/N: SUPERSEDED BY 0642606; MANUF P/N: 1LG4 206-4AA61-Z; REFERENCE NO: UC0704/018992204	EA	2		
675571	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 295 RPM; FRAME: 20S; CURRENT: 16 A; POTENTIAL: 230 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 16 MM; CONNECTION LOCATION: TOP; PHASE: 3; SPECIFICATION: WK1-100622; TYPE: AC; OEM P/N: WK4-101775P0001; SUPPL P/N: M3KP 112 MB 6 EX DE IIC T4; DRAWING NO: WK4-101775 REV 0; SEAL OIL SYSTEM; PACKAGE NO: MKW36AP001	EA	3		
675614	MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 450 RPM; FRAME: 90L; CURRENT: 10.4 A; POTENTIAL: 480 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 10 MM; CONNECTION LOCATION: TOP; PHASE: 3; SPECIFICATION: WK1-100622; TYPE: AC; OEM P/N: WK4-101794P0001; DRAWING NO: WK4-101794 REV 0; PACKAGE NO: MKW23AP001	EA	7		
675861	MOTOR: TYPE: AC 3PH; RATING: 0.55 KW; OEM P/N: WK4-101778P0001; DRAWING NO: WK4-101680R0040-12 REV 0	EA	7		

727179	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 2920 RPM; FRAME: 112M; CURRENT: 7.40/4.29 A; POTENTIAL: 400/690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 28; CONNECTION LOCATION: LEFT HAND FROM NDE; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; SERIAL NO: 9DWC0252; AMBIENT TEMP: 40 DEG C; FREQUENCY: 50HZ; PLEASE PROVIDE DATASHEETS AND MOTOR DRAWINGFOR TECHNICAL EVALUATION; 0 OGDK46 AP061/AP061-M01; VACUUM SEAL WATER RETURN PUMP	EA	7		
727098	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1410 RPM; FRAME: 80; CURRENT: 3.22/1.85 A; POTENTIAL: 230/400 V; MOUNTING: FOOT & FLANGE (IM B3&B14A); ENCLOSURE RATING: IP55; SHAFT SIZE: 19; CONNECTION LOCATION: TOP (WITH RIGHT & LEFT) CABLE ENTRY; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: S1; TEMPERATURE CLASS: 80K; DIRECTION: CW & CCW; SPECIFICATION: SANS 1804 - 1&2; SUPPL P/N: 11417747; DIRTY WATER DAM ROPE SKIMMER MOTOR (ALSO USED AT CLEAN WATER DAM); PLEASE PROVIDE DATASHEET FOR TECH EVALUATION; SERIAL NO: 1018143740	EA	7		
Linking to 612154	MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2940 RPM; FRAME: 132SB; CURRENT: 13.3 A; POTENTIAL: 400 VAC; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: KWP-K 40-250 (C2); TYPE: SQUIRREL CAGE; APPLICATION: CONCENTRATE PUMP; SERIES: PAA132SB-2	EA	3		
TBA	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1410 R/MIN; FRAME: 100L; FRAME: 100L; CURRENT: 8.60/4.98 A; POTENTIAL: 220/380 V AC; MOUNTING: HORIZONTAL FOOT&FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LEFT/RIGHT; DIRECTION: FORWARD AND REVERSE; CLASSIFICATION: ASH AND DUST; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1.15; SPECIFICATION: W22; TYPE: CAGE INDUCTION	EA	6		
TBA	POWER : 55W; FREQUENCY : 50Hz; NOISE : 69 dB(A); 3 PHASE; PRESSURE : 35 Pa; DIAMETER : 250mm; ENCLOSURE PROTECTION : IP55; USED ON ASH STACKER CABLE REEL MOTOR	EA	6		
TBA	MOTOR BRAKE: TYPE: MEG160 CORBETTA, TORQUE: Nm Used on CMG Motor: 4KW, 400V,970RPM, 8.72A, PPA132M; M36004003PPA/405	EA	6		

TBA	A5E03738654 \DLA8_SPARE_FAN COW FAN_CO, Siemens Spare Part, Cowling (113811078), Application: Cowling used with 1LY1212-1AA00-OAB5 (Cooling fan) and A5E36725416 (230/400V motor) as a Unit. The unit is installed on 1PQ8353-4PM80-Z Siemens motor 400/690V D/Y 50Hz, 340/590 A, Frame: 315, 1488rpm	EA	4		
675677	1LY1212-1AA00-OAB5, Siemens, Spare part: Internal fan D515x 29 aluminum MOD.43015/1 (For motor 1 PQ8353-4PM80- Z B02+K10+K45), Net Weight: 10.31 Kg,	EA	13		
729775	IMPELLER, FAN: TYPE: AXIAL FAN; DIAMETER: 294 MM; BORE: 11 MM; SHAFT SIZE: 11 MM; MATERIAL: EN AC-47100; EN AC-47100; EN AW-2011; GB 6061-T6; OEM P/N: 294/6-6/35/PPG/3HR/11/4/33/A; DRAWING NO: 150810; WEIGHT: 0.66KG; BORE TOLERANCE: 48; H7-DS/EN20286-2; MILLIMETER KEYWAY STANDARD: JS9 ACCORDING TO BS 4235-1 (TABLE 1&3) BOSS AND HUB ALUMINIUM MATERIAL; ELECTRICAL MOTOR SPEC: 0.45KW; 400VAC; 2720RPM; ALL TENDER /QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND / DRAWINGS	EA	12		
TBA	MOTOR, ELECTRIC: POWER: 160 KW; SPEED:2980 RPM; FRAME:315M; CURRENT: 268.7/155.1 A; POTENTIAL: 400/690 V; MOUNTING: IMB3 (foot); ENCLOSURE RATING: IP66; SHAFT SIZE: 65 MM; CONNECTION LOCATION: RH FROM NDE(CABLE ENTRY IS ON TOP); CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: CW & CCW; SPECIFICATION: SANS1804:1&2; TYPE: M32160003PPA/405; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWINGS FOR TECHNICAL EVALUATION	EA	2		
648216	TOR, ELECTRIC: POWER: 75 KW; SPEED: 1480 RPM; FRAME: 250M; CURRENT: 134-77.6 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3;	EA	6		
725305	MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 2890 RPM; FRAME: 100L; CURRENT: 6 A; POTENTIAL: 400 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: SIDE; POLES: 2; INSULATION CLASS: H; PHASE: 3; SUPPL P/N: 3GAA101001	EA	23		
731737	MOTOR, ELECTRIC: POWER: 7 KW; SPEED: 1500 RPM; FRAME: 132; CURRENT: 15.7 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE MOUNT; ENCLOSURE RATING: IP55; SHAFT SIZE: 38K6; CONNECTION LOCATION: LEFT HAND FROM NDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4 POLES; INSULATION CLASS: CLASS F; PHASE: 3; CASING MATERIAL: STEEL; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; SPECIFICATION: IEC60034; TYPE: ALIMAK SE-600 LIFT MOTOR; OEM P/N: AMBX132MTA4R3Q4; MANUF P/N: 3001263-213; NO.: 799990-001, ART NO.: 300163-	EA	4		

	213, 50HZ, PF = 0.82, BRAKE = 230V/170NM, HEATER SPEC: 230V & 21W.				
TBA	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2935 RPM; FRAME:160M; CURRENT: 20.4/11.8 A; POTENTIAL: 400/690 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP66; SHAFT SIZE: 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CAST IRON; SERVICE FACTOR: 1.15; DIRECTION: BI-DIRECTIONAL; TYPE:W22 Premium Plus IE2; DUTY CYCLE: S1; AMB.:40 DEG C;	EA	9		
667688	MOTOR, ELECTRIC: POWER: 3.52 KW; SPEED: 2895 RPM; FRAME: 112M; CURRENT: 11.9/6.85 A; POTENTIAL: 230/400 VAC; MOUNTING: BASE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON-HAZLOC; POLES: 2; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; SPECIFICATION: IEC 34-1; TYPE: INDUCTION MOTOR; SUPPL P/N: 1014479021	EA	1		
643448	MOTOR, ELECTRIC: POTENTIAL: 400 V 50 HZ; TYPE: INDUCTION; SUPPL P/N: EEDA80L/4A	EA	1		
TBA	MOTOR:STARTER DC MOTOR: TYPE: STARTER DC; MANUF P/N:5367763 ENGINE: CFPE15E-F40	EA	9		
599052	MOTOR ELEC:110 KW;1485 RPM;280S/M;IMB3 MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1485 RPM; FRAME: 280S/M; CURRENT: 192-111 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: NU-319-C3; NON-DRIVE-END BEARING: 6316-C3	EA	1		
614378	MOTOR ELEC:22 KW;2945 RPM;180M;39.7 A MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 2945 RPM; FRAME: 180M; CURRENT: 39.7 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 48 MM; CONNECTION LOCATION: LEFT; POLES: 2; REFERENCE NO: 1001858448	EA	6		
665863	MOTOR ELEC:110 KW;2970 RPM;280M;IMB3 MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 2970 RPM; FRAME: 280M; CURRENT: 185/107 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: CLOCK WISE; FIRE AND FLOOR WASH	EA	5		

654291	MOTOR ELEC:0.55 KW;1375 RPM;80S;IP66 MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1375 RPM; FRAME: 80S; CURRENT: 1.52/0.88 A; POTENTIAL: 400-690 V; MOUNTING: IMB5 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 12 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 21 (2D DUST GROUP); POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 80S/4 TF; REFERENCE NO: 202295327-100; TYPE 80S/4 TF(NORD); SK 635/4 2D; IA TEST CERTIFICATES TO BE SUPPLIED WITH MOTOR; FOR USE ON CLEAN OUT CONVEYOR	EA	15		
687254	MOTOR ELEC:3 KW;1430 RPM;100L;6.44 A;B5 MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1430 RPM; FRAME: 100L; CURRENT: 6.44 A; POTENTIAL: 400 V; MOUNTING: B5; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; 3KW MOTOR: B5: 400V: 100L: 1430: 4 POLE: 6.44A: IP66: 3 PHASE: 28MM	EA	10		
682737	MOTOR ELEC:0.55 KW;2984 RPM;80M;1.7 A MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 2984 RPM; FRAME: 80M; CURRENT: 1.7 A; POTENTIAL: 400 V; MOUNTING: IMB35; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: INDUCTION MACHINE	EA	5		
667452	MOTOR ELEC:2.02 KW;1426 RPM;100L;IMV1 MOTOR, ELECTRIC: POWER: 2.02 KW; SPEED: 1426 RPM; FRAME: 100L; CURRENT: 4.3/2.5 A; POTENTIAL: 400-690 V; MOUNTING: IMV1; ENCLOSURE RATING: IP65; SHAFT SIZE: 24 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EX NA II T3; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034/EN 60079-15; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LA7106-4AA64-Z; MILL REJECT BOX GATES HYDRAULIC OIL MOTOR	EA	20		
666495	MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 1488 RPM; FRAME: 315S; CURRENT: 235 A; POTENTIAL: 400 VAC; MOUNTING: FLOOR MOUNTED; ENCLOSURE RATING: IP55; SHAFT SIZE: 85M6; CONNECTION LOCATION: LEFT/RIGHT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155; SPECIFICATION: 400 V 3 PH 132 KW 4 P INDUCTION MOTOR; TYPE: INDUCTION; MANUF P/N: 1LG4 313-4AA60-Z; USED ON MEDUPI TAC ASH CONVEYORS, INCLUDING 0.48KW COOLING FAN MOTOR, CONNECTION TO THE MOTOR SHOULD BE	EA	2		

	COMPATIBLE FROM BOTH LEFT AND RIGHT AND SHOULD BE INTERCHANGEABLE; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED				
666566	MOTOR ELEC:15 KW;1465 RPM;160L;28.8 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1465 RPM; FRAME: 160L; CURRENT: 28.8 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; DIRECTION: BI-DIRECTIONAL; TYPE: CAGE INDUCTION; REFERENCE NO: 101088678; USE ON OVERLAND AND OVERLAND LINK CONVEYOR MOVING MOVING HEAD CHAIN DRIVES; W22 PREMIUM EFFICIENCY IE2; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED	EA	2		
639690	MOTOR ELEC:15 KW;1460 RPM;160L;29 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1460 RPM; FRAME: 160L; CURRENT: 29 A; POTENTIAL: 400 VAC; MOUNTING: IMB5; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE; DRAWING NO: A10-B02-C19-K17-K30-K94-L1B-M94 REV 0; SUPPL P/N: 1LA7166-4AA91-Z; MILL FEEDER CONVEYOR; DELTA; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE; POWER FACTOR 0.84; 50 HZ; EX TD A21, EXT IIIC T125 DEG C DB	EA	4		
585012	MOTOR ELEC:15 KW;3000 RPM;100;74.5 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 3000 RPM; FRAME: 100; CURRENT: 74.5 A; POTENTIAL: 220 VDC; MOUNTING: FLANGE; ENCLOSURE RATING: IP54; SHAFT SIZE: 48 MM; CONNECTION LOCATION: SIDE; SERVICE FACTOR: S1; TEMPERATURE CLASS: T4; MANUF P/N: D-GNFZE 2220/2; EX DE IIC T4, MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IECEX CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL	EA	4		
646277	MOTOR ELEC:15 KW;3000 RPM;D-GNFZE 2220/2 MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 3000 RPM; FRAME: D-GNFZE 2220/2; CURRENT: 74.5 A; POTENTIAL: 220 V; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 48 MM; CONNECTION LOCATION: RIGHT/R; INSULATION CLASS: H RISE F; SERVICE FACTOR: S1; TEMPERATURE CLASS: T4; TYPE: DC SHUNT WOUND; DRAWING NO: M020320-3 REV 0; SUPPL P/N: 183 964; COOLING IC 411(TEFC); MOUNTING WITH RAIN COVER; TERMINAL RIGHT/R II 2G EX D IIC T4; CABLE ENTRIES 2 X	EA	8		

	M40 X 1.5 AND 1 X M20 X 1.5 WITH SCREW PLUGS; ROTATION CW/CCW; FLAMEPROOF				
616834	MOTOR ELEC:225 KW;1500 RPM;315LX;224 A MOTOR, ELECTRIC: POWER: 225 KW; SPEED: 1500 RPM; FRAME: 315LX; CURRENT: 224 A; POTENTIAL: 690 VAC; MOUNTING: IM V1 VERTICAL; ENCLOSURE RATING: IP65; SHAFT SIZE: 90 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: IP65; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: CLOCK WISE; SPECIFICATION: SANS 1804; REFERENCE NO: LS4-315LX- AC-3-PHASE; TORQUE: 1448NM; COOLING TYPE: IC411; PAINTING: RAL7032 OR G29; ROTOR LAMINATIONS: STEEL; M530-50A; IMPREGNATION: VPI; THE ITEM SHOULD COME ASSEMBLED WITH FEMALE COUPLING AND COOLING FAN: FLEXIBLE HIGH SPEED COUPLING RATING: 2900- 5800NM; POLY-NORM: AR100; COUPLING COOLING FAN FOR M4 ACC PART NUMBER: 165-52009VKLG11	EA	24		
616837	MOTOR ELEC:0.51 KW;1403 RPM;80M;IP65 MOTOR, ELECTRIC: POWER: 0.51 KW; SPEED: 1403 RPM; FRAME: 80M; CURRENT: 1.34-0.78 A; POTENTIAL: 400/690 VAC; MOUNTING: V1 FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 19 XLG 40 MM; CONNECTION LOCATION: SIDE; CLASSIFICATION: NON HAZARDOUS; INSULATION CLASS: BF; PHASE: 3; CASING MATERIAL: ALUMINIUM; DIRECTION: BI DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION	EA	7		
616838	MOTOR ELEC:0.75 KW;1500 RPM;100/L4;4.9 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1500 RPM; FRAME: 100/L4; CURRENT: 4.9 A; POTENTIAL: 220 VDC; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 XLG 60 MM; CONNECTION LOCATION: SIDE; CLASSIFICATION: NON HAZARDOUS; INSULATION CLASS: BF; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; TYPE: DC	EA	7		
621487	MOTOR ELEC:1.5 KW;1445 RPM;90L;3.45 A MOTOR, ELECTRIC: POWER: 1.5 KW; SPEED: 1445 RPM; FRAME: 90L; CURRENT: 3.45 A; POTENTIAL: 400 VAC; MOUNTING: IMB35; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 24 MM; CONNECTION LOCATION: LH/RH SIDE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CLOCKWISE; SPECIFICATION: IEC 60034-1; TYPE: SQUIRREL CAGE INDUCTION	EA	10		
618508	MOTOR ELEC:0.45 KW;2720 RPM;63M;1.14 A MOTOR, ELECTRIC: POWER: 0.45 KW; SPEED: 2720 RPM; FRAME: 63M; CURRENT: 1.14 A; POTENTIAL: 400 VAC; MOUNTING: 1MB14; FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 11; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155 DEG C; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; SUPPL P/N: 1PP9063-2LA12-Z; ITEM SHOULD	EA	15		

	COME WITHOUT COOLING FAN; TOLARANCE: J6 MM; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED				
579207	MOTOR ELEC:2.2 KW;1485 RPM;44/25.5 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1485 RPM; FRAME: IE2-WEIR 200L 45WTPM; CURRENT: 44/25.5 A; POTENTIAL: 400-690 VAC; MOUNTING: BOLTED; ENCLOSURE RATING: IP65; CONNECTION LOCATION: ROOF TOP; PHASE: 3; SERVICE FACTOR: 0.78; SPECIFICATION: IEC/EN60034-1; MANUF P/N: 199509/0005H	EA	7		
676449	MOTOR ELEC:160 KW;1486 RPM;315 M;272 A MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1486 RPM; FRAME: 315 M; CURRENT: 272 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: PPA315M-4; SUPPLIERS TO PROVIDE DATS SHEETS WHEN RESPONSGING TO RFQ	EA	2		
616935	MOTOR ELEC:3 KW;1420 RPM;100L;6.44 A MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1420 RPM; FRAME: 100L; CURRENT: 6.44 A; POTENTIAL: 400 VDC; MOUNTING: IM B5 FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: SIDE; INSULATION CLASS: H/B RISE; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CLOCK WISE	EA	10		
581656	MOTOR ELEC:0.55 KW;1500 RPM;80;1.56 A MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1500 RPM; FRAME: 80; CURRENT: 1.56 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: SIDE; POLES: 4; INSULATION CLASS: 1CLF; PHASE: 3; MANUF P/N: M2BA 80 M4A; EX DE IIC T4, MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IECEX CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL	EA	5		
582666	MOTOR ELEC:0.38 KW;1360 RPM;80;1.25 A MOTOR, ELECTRIC: POWER: 0.38 KW; SPEED: 1360 RPM; FRAME: 80; CURRENT: 1.25 A; POTENTIAL: 400 V; MOUNTING: FLANGE B14; ENCLOSURE RATING: IP65; SHAFT SIZE: 19 MM; CONNECTION LOCATION: RH; POLES: 4; INSULATION CLASS: F; PHASE: 3; TYPE: CONICAL ROTOR; MANUF P/N: KBA80A4G; DRAWING NO: 0.84/10506 REV 0; REFERENCE NO: 4312/580; MICROSPEED USED ON THE RECLAIMER TRAVEL DRIVES	EA	7		
563023	MOTOR ELEC:132 KW;1490 RPM;315S/M;230 A MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 1490 RPM; FRAME:	EA	1		

	315S/M; CURRENT: 230 A; POTENTIAL: 380 V; MOUNTING: IMB35 FOOT AND FF-600 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE21/22; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: B; DIRECTION: ANTI CLOCKWISE; SPECIFICATION: W22 PREMIUM PLUS IE2; TYPE: INDUCTION MOTOR - SQUIRREL CAGE ROTORS				
563024	MOTOR ELEC:0.55 KW;1410 RPM;80;1.27 A MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1410 RPM; FRAME: 80; CURRENT: 1.27 A; POTENTIAL: 400 V; MOUNTING: IMB5 FC-95 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: F; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	7		
563025	MOTOR ELEC:3 KW;1420 RPM;100L;6.17 A MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1420 RPM; FRAME: 100L; CURRENT: 6.17 A; POTENTIAL: 400 V; MOUNTING: IMB35 FOOT AND FF-215 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21/22; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: F; DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION MOTOR - SQUIRREL CAGE ROTORS; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	4		
563179	MOTOR ELEC:160 KW;1490 RPM;315S/M;278 A MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1490 RPM; FRAME: 315S/M; CURRENT: 278 A; POTENTIAL: 400 V; MOUNTING: IMB3, FOOT AND FF-600 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 160KW-315S/M-4P-400V-IE2; TYPE: SQUIRREL CAGE, INDUCTION MOTOR; MANUF P/N: W22 315 S/M; WEG	EA	1		
566160	MOTOR ELEC:0.37 KW;1390 RPM;71M;1.12 A MOTOR, ELECTRIC: POWER: 0.37 KW; SPEED: 1390 RPM; FRAME: 71M; CURRENT: 1.12 A; POTENTIAL: 380 V; MOUNTING: FLANGE B5; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 14 X LG 30 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: ALUMINIUM; SERVICE FACTOR: 0.69; TEMPERATURE CLASS: B; SPECIFICATION: EN50347; TYPE: DUTY CYCLES; REFERENCE NO: 000101007190; QS71M4B; REHEAT SAFETY & HP BYPASS VALVES; OIL FILTER MOTOR; DUTY CYCLES & COOLING METHOD 1C411; PAINT RAL6011-RESEDA GREEN; SOUND PRESSURE LEVEL 45DBA; TO BE MANUFACTURED ACCORDING TO SPECIFICATION	EA	11		

568158	MOTOR ELEC:132 KW;1480 RPM;315S;228.6 A MOTOR, ELECTRIC: POWER: 132 KW; SPEED: 1480 RPM; FRAME: 315S; CURRENT: 228.6 A; POTENTIAL: 400 VDC; MOUNTING: IMB3, FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: 85 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: LS4 310-4AH; MANUF P/N: YPEL54310-4AH; REFERENCE NO: 4507 156/001/GF; ACTOM, STACKER I/C MOTOR	EA	2		
568192	MOTOR ELEC:185 KW;1490 RPM;315L;198 A MOTOR, ELECTRIC: POWER: 185 KW; SPEED: 1490 RPM; FRAME: 315L; CURRENT: 198 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 85 MM; CONNECTION LOCATION: RHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LG6317-4PM80-Z; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	4		
599050	MOTOR ELEC:200 KW;1490 RPM;315S/M;IMB3 MOTOR, ELECTRIC: POWER: 200 KW; SPEED: 1490 RPM; FRAME: 315S/M; CURRENT: 347-201 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 90 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: NU-319-C3; NON-DRIVE-END BEARING: 6316-C3	EA	6		
581654	MOTOR ELEC:0.75 KW;1500 RPM;80;1.95 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1500 RPM; FRAME: 80; CURRENT: 1.95 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: 1CLF; PHASE: 3; TEMPERATURE CLASS: T4; MANUF P/N: M3KP 80 MA2; EX DE IIC T4, MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IECEX CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL	EA	6		
581508	MOTOR ELEC:0.7 KW;2850 RPM;1.4 A;400 VAC MOTOR, ELECTRIC: POWER: 0.7 KW; SPEED: 2850 RPM; CURRENT: 1.4 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE; ENCLOSURE RATING: IP54; CONNECTION LOCATION: TOP; POLES: 2; PHASE: 3; MANUF P/N: ZGHV-090LD-02K	EA	8		
581651	MOTOR ELEC:15 KW;3000 RPM;160;26 A;400 V MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 3000 RPM; FRAME:	EA	3		

	160; CURRENT: 26 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: SIDE; POLES: 2; INSULATION CLASS: 1CLF; PHASE: 3; TEMPERATURE CLASS: T4; MANUF P/N: M3KP160MLC2 IMV1/IM3011; EX DE IIC T4, MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IECEX CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL				
614374	MOTOR ELEC:22 KW;1470 RPM;180L;41 A MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1470 RPM; FRAME: 180L; CURRENT: 41 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 48 MM; CONNECTION LOCATION: TOP; POLES: 4; REFERENCE NO: 4183167/006/JG	EA	2		
666690	MOTOR ELEC:1.1 KW;1500 RPM;90S;2.62 A MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1500 RPM; FRAME: 90S; CURRENT: 2.62 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: 24 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1804; HVAC PLANT	EA	6		
666694	MOTOR ELEC:11 KW;1500 RPM;160M;20.7 A MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1500 RPM; FRAME: 160M; CURRENT: 20.7 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	1		
666695	MOTOR ELEC:15 KW;1500 RPM;160L;28 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1500 RPM; FRAME: 160L; CURRENT: 28 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	2		
666697	MOTOR ELEC:2.2 KW;1500 RPM;100L;4.87 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1500 RPM; FRAME: 100L; CURRENT: 4.87 A; POTENTIAL: 400 V; MOUNTING: IMB30; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	8		

666700	MOTOR ELEC:18.5 KW;1500 RPM;180M;33.9 A MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 1500 RPM; FRAME: 180M; CURRENT: 33.9 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 48 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	2		
581652	MOTOR ELEC:2.2 KW;950 RPM;112M;5.2 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 950 RPM; FRAME: 112M; CURRENT: 5.2 A; POTENTIAL: 400 V; MOUNTING: IMB5; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: EX DE IIC T4 GB; POLES: 6; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: T4; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: M3KP112MB6; MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IA CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL	EA	7		
581653	MOTOR ELEC:0.75 KW;3000 RPM;80;1.62 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 3000 RPM; FRAME: 80; CURRENT: 1.62 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: 1CLF; PHASE: 3; TEMPERATURE CLASS: T4; MANUF P/N: M3KP 80 MA21 MB	EA	8		
581485	MOTOR ELEC:110 KW;1492 RPM;280M;IMB5 MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1492 RPM; FRAME: 280M; CURRENT: 181/108 A; POTENTIAL: 400-690 V; MOUNTING: IMB5; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: LH FROM NDE; CLASSIFICATION: HAZARDOUS/DUST EXPLOSION; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: SANS 1804: 1&2; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: PPA280M80-4; DRAWING NO: P328M54B REV 0; REFERENCE NO: OJOC4907; MOTOR TO BE DELIVERED WITH IA CERTIFICATE; IA NO S-XPL 02377; AUXILIARIES: WINDING THERMISTORS; BEARING THERMOCOUPLES SITUATED IN DE AND NDE BEARINGS; SEPERATE BOX FOR THE TEMPERATURE MEASURING DEVICES; FOR RECLAIMER DRUM DRIVE MOTOR	EA	4		
666590	MOTOR ELEC:2.2 KW;1750 RPM;112D;10.5 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1750 RPM; FRAME: 112D; CURRENT: 10.5 A; POTENTIAL: 220 VDC; MOUNTING: IM B5 FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 28 X LG 60 MM; CONNECTION LOCATION: SIDE; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CLOCK WISE; TO LEAD TYPE P	EA	8		

665861	MOTOR ELEC:15 KW;1460 RPM;160L;IMB3 MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 1460 RPM; FRAME: 160L; CURRENT: 28.4/16.5 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: CLOCK WISE; TYPE: SQUIRREL CAGE INDUCTION; FOR FIRE AND FLOOR WASH	EA	2		
682742	MOTOR ELEC:3 KW;1426 RPM;100L;5.98/3.47 MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1426 RPM; FRAME: 100L; CURRENT: 5.98/3.47; POTENTIAL: 400-690 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EX NA II T3; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: INDUCTION MACHINE	EA	6		
636082	MOTOR ELEC:15 KW;2935 RPM;160M;IMB3 MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2935 RPM; FRAME: 160M; CURRENT: 27.9-16.2 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 164-2AH; DRIVE END BEARING 6309-C3; NON DRIVE END BEARING 6309-C3; THE MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD, NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT NUMBER 240-56361435, IS ENSURED	EA	1		
635685	MOTOR ELEC:110 KW;1485 RPM;280S/M;192 A MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1485 RPM; FRAME: 280S/M; CURRENT: 192 A; POTENTIAL: 400 VDC; MOUNTING: LEFT; ENCLOSURE RATING: IP66; SHAFT SIZE: 80M6; CONNECTION LOCATION: LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 180; TYPE: INDUCTION; REFERENCE NO: 1012502832; SUPPL P/N: 1012502832; 110KW,400V, 3 PHASE 4 POLE INDUCTION MOTOR; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED	EA	1		
700663	MOTOR ELEC:102 KW;2842 RPM;240 A;400 VAC MOTOR, ELECTRIC: POWER: 102 KW; SPEED: 2842 RPM; CURRENT: 240 A; POTENTIAL: 400 VAC; MOUNTING: IMB5/IM3001; ENCLOSURE RATING: IP55; SHAFT SIZE: 65M6; CONNECTION LOCATION: TOP CONNECTION (CONNECTION D); FRONT VIEW: CABLE ENTRY ON THE LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: CLASS F; PHASE: 3; CASING MATERIAL:	EA	5		

	CI; SERVICE FACTOR: SF1.06/1.0; DIRECTION: CLOCKWISE AND ANTI-CLOCKWISE; SPECIFICATION: IEC 60034; TYPE: M3BC 280SMC 4; SUPPL P/N: 3GC282230-BXGC416; CT 365NM 1500-4185 RPM; CP 160KW 4185 - 4500 RPM; FWP 400 VD 95HZ; DUTY S9; NMAX: 4500 R/MIN; TOTAL WEIGHT: 725 KG; DE: 6214M.P63 AND NDE: HC6214M.P63; CONTAINS: RTD & SPACE HEATER TERMINAL BOX; EXTRA SUPPORT MOUNTING BORE				
692807	MOTOR ELEC:15 KW;2940 RPM;160M;26 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2940 RPM; FRAME: 160M; CURRENT: 26 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; OEM P/N: 160MB 400V/3PH/50HZ; KKS: 00GDK65 AP051-M01; CONCERNRATE EXTRACTION PUMP MOTOR	EA	6		
666479	MOTOR ELEC:11 KW;1455 RPM;160M;IP55 MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1455 RPM; FRAME: 160M; CURRENT: 22.7/13.1 A; POTENTIAL: 380/660 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; TEMPERATURE CLASS: B; TYPE: TEFC; CAGE INDUCTION; REFERENCE NO: 1014600569; APPLICATION PRIMARY AND SECONDARY CENTRIFUGE	EA	2		
666547	MOTOR ELEC:0.55 KW;940 RPM;80M;1.6 A MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 940 RPM; FRAME: 80M; CURRENT: 1.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB5; ENCLOSURE RATING: IP65; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TYPE: SQUIRREL CAGE; MANUF P/N: 004.9941; REFERENCE NO: UD80BH-6G; DELTA; POWER FACTOR 0.74; MOTOR WITH TWO ENDED SHAFT; FOR RK-SB SOOTBLOWER; MOTOR TYPE G80M6	EA	20		
666564	MOTOR ELEC:185 KW;1488 RPM;315L;315 A MOTOR, ELECTRIC: POWER: 185 KW; SPEED: 1488 RPM; FRAME: 315L; CURRENT: 315 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 90M6; CONNECTION LOCATION: LEFT/RIGHT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155; SPECIFICATION: INDUCTION MOTOR 400 V 185 KW 3 PH 4P; TYPE: INDUCTION; MANUF P/N: 1LG4 317-4AA60-Z; USED ON MEDUPI ESC ASH CONVEYORS, INCLUDING 0.48KW COOLING FAN MOTOR, CONNECTION TO THE MOTOR SHOULD BE COMPATIBLE FROM BOTH LEFT AND RIGHT AND SHOULD BE INTERCHANGEABLE; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE	EA	2		

	DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED				
634001	MOTOR ELEC:3 KW;1420 RPM;100L;6.52 A MOTOR, ELECTRIC: POWER: 3 KW; SPEED: 1420 RPM; FRAME: 100L; CURRENT: 6.52 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: 155 DEG C; SPECIFICATION: SANS 1804-1/2; TYPE: SQUIRREL CAGE, INDUCTION MOTOR	EA	9		
666701	MOTOR ELEC:22 KW;1500 RPM;180L;39.5 A MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1500 RPM; FRAME: 180L; CURRENT: 39.5 A; POTENTIAL: 400 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 48 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: BI DIRECTIONAL; SPECIFICATION: SANS 1084; TYPE: SQUIRREL CAGE; HVAC PLANT	EA	1		
667448	MOTOR ELEC:10.12 KW;963 RPM;160L;IMV1 MOTOR, ELECTRIC: POWER: 10.12 KW; SPEED: 963 RPM; FRAME: 160L; CURRENT: 22.5/13 A; POTENTIAL: 400-690 V; MOUNTING: IMV1; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EXNA II T3; POLES: 6; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LA7166-6AA61-Z; MILL GEARBOX LUBRICATION OIL MOTOR	EA	35		
648989	MOTOR ELEC:0.09 KW;1350-1390 RPM;IMB5 MOTOR, ELECTRIC: POWER: 0.09 KW; SPEED: 1350-1390 RPM; FRAME: IMB5; CURRENT: 0.4-0.46 A; POTENTIAL: 380-415 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 8 MM; CONNECTION LOCATION: TOP; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: S1; TYPE: CHEMICAL TANK MIXER; MANUF P/N: AM63ZAA4 20294	EA	10		
614786	MOTOR ELEC:0.037 KW;1380 RPM;71;1.1 A MOTOR, ELECTRIC: POWER: 0.037 KW; SPEED: 1380 RPM; FRAME: 71; CURRENT: 1.1 A; POTENTIAL: 400 V 50 HZ; MOUNTING: VERTICAL V1; ENCLOSURE RATING: IP55; SHAFT SIZE: 14 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCKWISE; TYPE: TEFC INDUCTION; REFERENCE NO: M34000375SGA/405; APPLICATION: TTA; TSP; SMBS; UF AND CLARIFIER COAGULANT AND SODIUM CHLORIDE MIXING TANK MIXERS AT CHEMICAL HANDLING AND DOSING PLANT	EA	6		

666474	MOTOR ELEC:11 KW;1470 RPM;160M;21.2 A MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1470 RPM; FRAME: 160M; CURRENT: 21.2 A; POTENTIAL: 400 VAC; MOUNTING: IMB35 FOOT AND FF-300 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 11KW-160M-4P-400V-IE2; TYPE: SQUIRREL CAGE, INDUCTION MOTOR; MANUF P/N: W22 160M; STACKER HPU BOOSTER COOLING PUMP MOTOR	EA	1		
621496	MOTOR ELEC:10.12 KW;1463 RPM;160M MOTOR, ELECTRIC: POWER: 10.12 KW; SPEED: 1463 RPM; FRAME: 160M; CURRENT: 19.78-11.47 A; POTENTIAL: 400/690 VAC; MOUNTING: IMV1/IM3011; ENCLOSURE RATING: IP65; SHAFT SIZE: DIA 38 MM; CONNECTION LOCATION: LH/RH SIDE; INSULATION CLASS: F/B RISE; PHASE: 3; CASING MATERIAL: AL; DIRECTION: BI DIRECTIONAL; TYPE: SQUIRREL CAGE, INDUCTION MOTOR; REFERENCE NO: E1003/5232192-02-001/2/3; APPLICATION: OIL PUMP; TYPE: 1LA7080-4AA64-Z B02/C19/C23/K30/K50/Y54	EA	7		
614382	MOTOR ELEC:0.75 KW;2845 RPM;80A;1.7 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2845 RPM; FRAME: 80A; CURRENT: 1.7 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: 40 DEG C; DIRECTION: BI DIRECTIONAL; SPECIFICATION: MART 80A-2; REFERENCE NO: 812149-002-009; 813585002005	EA	7		
614785	MOTOR ELEC:0.75 KW;1445 RPM;80;1.74 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1445 RPM; FRAME: 80; CURRENT: 1.74 A; POTENTIAL: 400 V 50 HZ; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCKWISE; TYPE: TEFC INDUCTION; APPLICATION: COUSTIC AND ACID CIP TRANSFER PUMPS AT THE CHEMICAL HANDLING AND DOSING PLANT	EA	6		
609175	MOTOR ELEC:22 KW;1465 RPM;180L;IP66 MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1465 RPM; FRAME: 180L; CURRENT: 40.5/23.5 A; POTENTIAL: 400/690 VAC; MOUNTING: HORIZONTAL/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 48 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC CAGE INDUCTION; APPLICATION: BOILER 6 DE GRITTING PUMP	EA	5		
609178	MOTOR ELEC:0.55 KW;1400 RPM;80;IP55 MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1400 RPM; FRAME:	EA	7		

	80; CURRENT: 2.40/1.38 A; POTENTIAL: 220/400 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC INDUCTION; SUPPL P/N: 20MAI10-1007901559; APPLICATION: OIL TRANSFER PUMPS				
609180	MOTOR ELEC:2.2 KW;1410 RPM;100L;IP55 MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1410 RPM; FRAME: 100L; CURRENT: 8.60/4.98 A; POTENTIAL: 220/380 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; TYPE: CAGE INDUCTION; APPLICATION: CLEAN AND DIRTY WATER DAM OIL TRANSFER PUMP	EA	6		
610656	MOTOR ELEC:11 KW;1465 RPM;160M;IP66 MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 1465 RPM; FRAME: 160M; CURRENT: 21.9-12.6 A; POTENTIAL: 380/660 VAC; MOUNTING: VERTICAL; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: LEFT HAND SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TYPE: AC CAGE INDUCTION; APPLICATION: CLARIFIER 1 AND 2 SLUDGE PUMP	EA	2		
612168	MOTOR ELEC:22 KW;1500 RPM;250M;115 A MOTOR, ELECTRIC: POWER: 22 KW; SPEED: 1500 RPM; FRAME: 250M; CURRENT: 115 A; POTENTIAL: 220 VDC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: LH; 250 M FRAME SIZE; SHAFT SIZE IS OBTAINED BY OEM USING FRAME SIZE WHICH IS A STANDARD OFF THE SHELF COMPONENT; JACKING OIL PUMP MOTOR	EA	4		
614011	MOTOR ELEC:0.55 KW;1390 RPM;80;1.47 A MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 1390 RPM; FRAME: 80; CURRENT: 1.47 A; POTENTIAL: 400VAC; 50HZ; MOUNTING: VERTICAL V1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: TEFC INDUCTION; APPLICATION: ANTISCALANT MIXING TANK MIXER AT CHEMICAL HANDLING AND DOSING PLANT	EA	6		
614012	MOTOR ELEC:1.1 KW;1440 RPM;90S;2.44 A MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1440 RPM; FRAME: 90S; CURRENT: 2.44 A; POTENTIAL: 400VAC; 50HZ; MOUNTING: VERTICAL V1; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 24 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: TEFC INDUCTION; APPLICATION: AMMONIA;	EA	7		

	SULPURIC ACID AND CAUSTIC SOLUTION TANK MIXER AT CHEMICAL HANDLING AND DOSING PLANT				
614013	MOTOR ELEC:2.2 KW;2875 RPM;90L;4.32 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 2875 RPM; FRAME: 90L; CURRENT: 4.32 A; POTENTIAL: 400VAC; 50HZ; MOUNTING: B3 FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 24 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: ANTI CLOCK WISE; TYPE: TEFC INDUCTION; APPLICATION: CEDI CIP SODIUM CHLORIDE TRANSFER PUMPS 1 AND 2 AND AMMONIA CIRCULATION PUMPS AT CHEMICAL HANDLING AND DOSING PLANT	EA	6		
614375	MOTOR ELEC:0.75 KW;1480 RPM;80M2-4 MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1480 RPM; FRAME: 80M2-4; CURRENT: 1.89 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; POLES: 4; REFERENCE NO: IQQ2106-01/0257	EA	5		
614376	MOTOR ELEC:0.75 KW;2930 RPM;132S;13.8 A MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2930 RPM; FRAME: 132S; CURRENT: 13.8 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 19 MM; CONNECTION LOCATION: TOP; POLES: 2; REFERENCE NO: 4166199/002/BD	EA	4		
669254	MOTOR ELEC:15 KW;3000 RPM;160;74.5 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 3000 RPM; FRAME: 160; CURRENT: 74.5 A; POTENTIAL: 220 V; MOUNTING: IMV1 WITH RAIN COVER; ENCLOSURE RATING: IP 55; SHAFT SIZE: 48 MM; CONNECTION LOCATION: RH SIDE; CLASSIFICATION: HAZARDOUS, EX D IIC T4; POLES: 2; INSULATION CLASS: F; PHASE: DC; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034; TYPE: DC-SHUNT WOUND; MANUF P/N: D-GNFZE 2220/2 II 2G; TURBINE CENTRELINE LUB OIL DC MOTOR; HEATER 120W,230V,50HZ; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE	EA	6		
669255	MOTOR ELEC:15 KW;2917 RPM;160M;27.8 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2917 RPM; FRAME: 160M; CURRENT: 27.8 A; POTENTIAL: 400 V; MOUNTING: 1MB3; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034-1; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 3GQA 161 302-ADA; TURBINE CENTRELINE GLAND STEAM EXHAUST FAN MOTOR	EA	4		
669257	MOTOR ELEC:2.2 KW;2848 RPM;90L;4.53 A MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 2848 RPM; FRAME: 90L; CURRENT: 4.53 A; POTENTIAL: 400 V; MOUNTING:	EA	4		

	IMB5; ENCLOSURE RATING: IP55; SHAFT SIZE: 24 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS, EX NA II T3; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC 60034-1; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: M2GP 90LA 2; TURBINE CENTRELINE LOS OIL PP JOB MOTOR; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE				
674203	MOTOR ELEC:15 KW;2940 RPM;160 M;27 A MOTOR, ELECTRIC: POWER: 15 KW; SPEED: 2940 RPM; FRAME: 160 M; CURRENT: 27 A; POTENTIAL: 400 V; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EXDE 11BT4; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; MOTOR TO BE SUPPLIED WITH IA CERTIFICATE	EA	6		
690423	MOTOR ELEC:0.75 KW;2825 RPM;IP55;2 MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2825 RPM; FRAME: K21 R 80 K2 H KNS; CURRENT: 2.99A DELTA/1.72 A STAR; POTENTIAL: 230 V DELTA/400 V STAR; MOUNTING: IM B14-FT130; ENCLOSURE RATING: IP55; SHAFT SIZE: 19 MM; CONNECTION LOCATION: LH SIDE; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; DIRECTION: BI; OEM P/N: KKS: 30-60 MAV02 AN001	EA	12		
682744	MOTOR ELEC:121 KW;1489 RPM;315M;IMV1 MOTOR, ELECTRIC: POWER: 121 KW; SPEED: 1489 RPM; FRAME: 315M; CURRENT: 220-128 A; POTENTIAL: 400-690 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP65; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS EX NA II T3; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: INDUCTION MACHINE; SUPPL P/N: 1LG4313-4AA64-Z; FUEL OIL HP PUMP MOTOR; KKS: OEGD13/23/53/63 AP001 -M01	EA	2		
675898	MOTOR ELEC:160 KW;1490 RPM;315S;IMB3 MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1490 RPM; FRAME: 315S; CURRENT: 278/161 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; SPECIFICATION: IEC 60034; TYPE: SQUARREL CAGE INDUCTION; SUPPL P/N: WEG W22	EA	2		
676444	MOTOR ELEC:11 KW;2940 RPM;160M;19 A MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2940 RPM; FRAME: 160M; CURRENT: 19 A; POTENTIAL: 400 V; MOUNTING: 1MB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 42 MM;	EA	2		

	CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: PPA160MA-4				
666467	MOTOR ELEC:0.18 KW;1370 RPM;D63N124G MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1370 RPM; FRAME: D63N124G; CURRENT: 0.64 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE VERTICAL; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 12 MM; CONNECTION LOCATION: LH SIDE; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: F; DIRECTION: BI DIRECTIONAL; SPECIFICATION: PF 0.68/SF 1.15; TYPE: INDUCTION MOTOR; APPLICATION: SOOTBLOWER SYSTEM	EA	14		
639577	MOTOR ELEC:110 KW;1492 RPM;250SM;181 A MOTOR, ELECTRIC: POWER: 110 KW; SPEED: 1492 RPM; FRAME: 250SM; CURRENT: 181 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: 80 MM; CONNECTION LOCATION: TOP; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; DIRECTION: CLOCK WISE; TYPE: CLARIFIED WATER PUMP; REFERENCE NO: ETA 300-35(03)	EA	1		
646379	MOTOR ELEC:11 KW;2995 RPM;160M;11.8 A MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 2995 RPM; FRAME: 160M; CURRENT: 11.8 A; POTENTIAL: 690 V; MOUNTING: 1MB3; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: SIDE; INSULATION CLASS: F; PHASE: 3; TYPE: SQUIRREL CAGE; SUPPL P/N: 1LE10011DA234AB4-Z; UD 1403/1611528-001-001; IMPROVED EFFICIENCY; TH.CI 155(F) 50HZ; P.F 0.87; STAR 20.5A; DELTA 400V	EA	9		
599049	MOTOR ELEC:160 KW;1490 RPM;315S/M;IMB3 MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1490 RPM; FRAME: 315S/M; CURRENT: 278-161 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 85 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1; TEMPERATURE CLASS: 80K; DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: NU-319-C3; NON-DRIVE-END BEARING: 6316-C3	EA	1		
581655 (666482 superseded)	MOTOR, ELECTRIC: POWER: 11 KW; SPEED: 3000 RPM; FRAME: 160; CURRENT: 19.5 A; POTENTIAL: 400 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 42 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: 1CLF;	EA	2		

	PHASE: 3; TEMPERATURE CLASS: T4; MANUF P/N: M3KP 160MLA-2; EX DE IIC T4, MOTOR TO BE NON-SPARKING, FLAME AND EXPLOSION PROOF, ALSO SUPPLY MOTOR WITH IECEX CERTIFICATE. CALL SYSTEM ENGINEER FOR INSPECTION UPON ARRIVAL				
727099	MOTOR, BRAKE: POWER: 1.1 KW; SPEED: 1500 RPM; FRAME: 90S; CURRENT: 4.17/2.4 A RMS; POTENTIAL: 220/400 D/Y V; PHASE: 3; CLASSIFICATION: IP66; SUPPL P/N: W22 08A6011 1012868406; MOTOR HAS MICRO SWITCH AND BRAKES; MOUNTING: IM B5; SANS 1804; INSULATION CLASS: H; TEMP CLASS: 80K; SF: 1.0 AMBIENT TEMP: 40 DEGREE C; BEARING: DE (6205-ZZ) & NDE (6204-ZZ); DUTY CYCLE: S1 USED AT ASH STACKER DRIVE MOTORS SUPPLIERS TO PROVIDE DATASHEET/DRAWING	EA	33		
666545	MOTOR, ELECTRIC: POWER: 0.18 KW; SPEED: 1410 RPM; FRAME: 63M; CURRENT: 0.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 11 MM; CONNECTION LOCATION: TOP; INSULATION CLASS: F; CASING MATERIAL: CI; TYPE: SQUIRREL CAGE; MANUF P/N: 004.9942; REFERENCE NO: GCFC4B28-63B-4G; POWER FACTOR 0.73; MOTOR WITH TWO ENDED SHAFT; FOR USE AT PS-AT AIR HEATER SOOTBLOWER; MOTOR TYPE M1B4	EA	15		
716598	MOTOR, ELECTRIC: POWER: 0.55 KW; SPEED: 2790 RPM; FRAME: 71M; CURRENT: 1,19 A; POTENTIAL: 220-240/380-415/440-460 V; MOUNTING: B35T; ENCLOSURE RATING: IP55; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON-HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3 PHASE AC; CASING MATERIAL: IRON; SERVICE FACTOR: S1; DIRECTION: CLOCKWISE AND ANTI-CLOCKWISE; SPECIFICATION: IEC 60034-1; TYPE: INDUCTION MOTOR; SUPPL P/N: 1047231669; WEG W22 TOP PREMIUM EFFICIENCY, 2 POLE, COOLING: IC411	EA	11		
716597	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 1440 RPM; FRAME: 80M; CURRENT: 1.9 A; POTENTIAL: 220-240/380-415/440-460 V; MOUNTING: B34R(E); ENCLOSURE RATING: IP55; SHAFT SIZE: 19 MM; CONNECTION LOCATION: SIDE; CLASSIFICATION: NON-HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: IRON; SERVICE FACTOR: S1; SPECIFICATION: IEC 60034; TYPE: W22 PREMIUM; SUPPL P/N: 1050844071; REFERENCE NO: 105129554	EA	11		

666567	MOTOR, ELECTRIC: POWER: 185 KW; SPEED: 1475 RPM; FRAME: 1LA1350-4; CURRENT: 20 A; POTENTIAL: 6.6 KV; MOUNTING: BASE PLATE; ENCLOSURE RATING: IP55; SHAFT SIZE: 85 MM; CONNECTION LOCATION: LH; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SPECIFICATION: IEC 60034; TYPE: ASYNCHRONOUS; REFERENCE NO: A002001	EA	1		
721615	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1420 RPM; FRAME: 100; CURRENT: 8.52/4.93 A RMS; POTENTIAL: 220/380 V; MOUNTING: HORIZONTAL FLANGE - IMB5; ENCLOSURE RATING: IP 55; SHAFT SIZE: 28 MM; CONNECTION LOCATION: LEFT/RIGHT; CLASSIFICATION: ASH AND DUST; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: IRON; SERVICE FACTOR: 1; TEMPERATURE CLASS: 40 DEG C; DIRECTION: CW-CCW; SPECIFICATION: SANS 1804-1/2; TYPE: CAGE INDUCTION; FREQUENCY: 50 HZ; DUTY: S1; WEIGHT: 32KG; DE BEARINGS: 6206-ZZ	EA	15		
724774	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1440 RPM; FRAME: 100L; CURRENT: 7.86/4.52 A; POTENTIAL: 220-240/380-420 V; MOUNTING: B3; ENCLOSURE RATING: IP66; SHAFT SIZE: 28; CONNECTION LOCATION: TERMINAL BOX TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CAST IRON; SPECIFICATION: SANS 1804: 1&2; TYPE: MAR3 100LA-4; SUPPL P/N: M34002203MAR3/405-MF; SERIAL NO: 835679/019-002 Y21H05532	EA	7		
718730	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1420 KW; FRAME: 100; CURRENT: 8.52/4.93 DAY; POTENTIAL: 220/380 DAY; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP55; SHAFT SIZE: 28; CONNECTION LOCATION: LEFT/RIGHT; CLASSIFICATION: ASH AND DUST; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: IRON; SERVICE FACTOR: 1; TEMPERATURE CLASS: 40 DEG C; DIRECTION: CW-CCW; SPECIFICATION: SANS 1804-1/2; TYPE: CAGE; FREQUENCY 50 HZ, DUTY S1, WEIGHT 32KG, DE BEARINGS 6206-ZZ, NDE BEARINGS 6205-ZZ	EA	3		
568161	MOTOR, ELECTRIC: POWER: 250 KW; SPEED: 1480 RPM; FRAME: 315H; CURRENT: 27.5 A; POTENTIAL: 6.6 KVAC; MOUNTING: IMB3, FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: 90 MM; CONNECTION LOCATION: ONE TERMINAL BOX THAT CAN CONNECT RH OR LH SIDE; CLASSIFICATION: ZONE	EA	1		

	21/22; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: F; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LA4 312-4AN7V-2+B20; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTO				
727180	MOTOR, ELECTRIC: POWER: 250 KW; SPEED: 2980 RPM; FRAME: 355L; CURRENT: 423.7/244.6 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 85MM; CONNECTION LOCATION: LEFT HAND FROM NDE; CLASSIFICATION: NON HAZARDOUS; POLES: 2; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: CW & CCW; SPECIFICATION: SANS 1804 - 1&2; SUPPL P/N: PPA355L85-2; CAT NO: M32250003PPA/405; PLEASE PROVIDE DATASHEET FOR TECH EVALUATION; TERMINAL BOX IS ON THE LH SIDE FROM NDE; THE CABLES ARE TERMINATED ON THE SIDE OF THE TERMINAL BOX; R01 HIGH PRESSURE PUMP MOTOR; KKS: 00DGK27 AP041/061/071	EA	3		
728530	MOTOR, ELECTRIC: POWER: 0.09 KW, SPEED: 1380 RPM, FRAME: 56M, VOLTAGE: 400V, CURRENT: 0.38A, PHASE: 3, MOUNTING: IMB3, ENCLOSURE RATING: IP66, SHAFT SIZE: 9 MM, CONNECTION LOCATION: TOP, CLASSIFICATION: NON HAZARDOUS, DIRECTION: BI DIRECTIONAL, POLES: 4, PSUPPL P/N: M34000096SLE, INSULATION CLASS: F ,PLEASE PROVIDE DATASHEET FOR TECH EVALUATION	EA	18		
731692	MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 1465 RPM; FRAME: 180M; CURRENT: 35.5/20.5 A; POTENTIAL: 400/690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 48MM; CONNECTION LOCATION: TOP; CLASSIFICATION: CAST IRON; POLES: 4; INSULATION CLASS: 155F; PHASE: 3; DIRECTION: CW & CCW; SPECIFICATION: IEC 60034; OEM P/N: 1LG4183-4AA60; 140 KG; 50 HZ FULL LOAD EFF; 89.3%; AMBIENT TEMP -20.0 DEG C +40 DEG C; TERMINAL BOX POSITION; X CABLE MAX CROSS SECTIONAL AREA: 16.00 MM SQARE CABLE ENTRY 2XM40X1.5-2X20X1.5; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWING FOR TECHNICAL EVALUATION	EA	4		
731506	MOTOR, ELECTRIC: POWER: 2.2 KW; SPEED: 1395/1420 RPM; FRAME: 100L; CURRENT: 8.6/4.95 A; POTENTIAL: 230/400 V; MOUNTING: IMB3 FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 28 X LG	EA	9		

	60 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: 155F; PHASE: 3; DIRECTION: CW & CCW; SPECIFICATION: DIN EN 60034-1; TYPE: K21R SERIES; SUPPL P/N: K21R 100 L4; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWINGS FOR TECHNICAL EVALUATION				
731512	MOTOR, ELECTRIC: POWER: 30 KW; SPEED:1470 RPM; FRAME: 200L; CURRENT: 55.5/32.2 A; POTENTIAL: 400/690 V; MOUNTING: B35 (Foot & Flange); ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP (WITH RIGHT & LEFT CABLE ENTRY); CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: CW & CCW; SPECIFICATION: DIN EN 60034-1; TYPE: HM1T 200L-4 B35; SUPPL P/N: P0101459; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWINGS FOR TECHNICAL EVALUATION	EA	2		
728023	MOTOR, ELECTRIC: POWER: 18.5 KW; SPEED: 1465 RPM; FRAME: 180; CURRENT: 35.1/20.3 A; POTENTIAL: 400/690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 48MM; CONNECTION LOCATION: TOP (LEFT&RIGHT); CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CW & CCW; TYPE: W22 PREMIUM; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWINGS FOR TECHNICAL EVALUATION; UNITS 1-6 BLR ASH HDLG SYS PMP 1 MTR & 2 MTR 30-X OETN92 AP001 -M01	EA	8		
675574	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1435 RPM; FRAME: 90S; CURRENT: 2.48 A; POTENTIAL: 400 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 24 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 2; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TYPE: INDUCTION; SUPPL P/N: M3KP90SLA4; EX DE IIC T4; NON-SPARKING; FLAME AND EXPLOSION PROOF; SUPPLY WITH IECEX CERTIFICAT	EA	11		
633962	MOTOR, ELECTRIC: POWER: 250 KW; SPEED: 1488 RPM; FRAME: 315L; CURRENT: 235 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 90M6; CONNECTION LOCATION: LEFT/RIGHT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155; SPECIFICATION: INDUCTION MOTOR 690 V 250 KW 3 PH 4P; TYPE: INDUCTION; SUPPL P/N: 1LG4 318-	EA	1		

	4AA60-Z; REFERENCE NO: 1LG4 318 - 4AA60-Z; USED ON MEDUPI OLC ASH CONVEYORS, INCLUDING 0.48KW COOLING FAN MOTOR, CONNECTION TO THE MOTOR SHOULD BE COMPATIBLE FROM BOTH LEFT AND RIGHT AND SHOULD BE INTERCHANGEABLE; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED				
620789	MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 1435 RPM; FRAME: 90S; CURRENT: 2.48 A; POTENTIAL: 400 VAC; MOUNTING: IMV1; ENCLOSURE RATING: IP55; SHAFT SIZE: DIA 24 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 2; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TYPE: INDUCTION; SUPPL P/N: M3KP90SLA4; EX DE IIC T4; NON-SPARKING; FLAME AND EXPLOSION PROOF; SUPPLY WITH IECEX CERTIFICATE	EA	33		
655317	MOTOR, ELECTRIC: POWER: 1.13 KW; FRAME: 80; CURRENT: 50 A; POTENTIAL: 3 X 380 V; TEMPERATURE CLASS: F; SUPPL P/N: MEC80/BT6/F/S/1.13KW/3X380V-50; REFERENCE NO: 1HC0005396K0001	EA	1		
643434	MOTOR, ELECTRIC: POWER: 0.75 KW; POTENTIAL: 400 VDC; MOUNTING: B14; SUPPL P/N: M3KP80MA2EXDEIIC-T4	EA	1		
620778	MOTOR, ELECTRIC: POWER: 0.75 KW; SPEED: 2910 RPM; FRAME: 90; CURRENT: 1.4 A; POTENTIAL: 400 VAC; MOUNTING: HORIZONTAL; ENCLOSURE RATING: IP56; SHAFT SIZE: DIA 19 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: ZONE 2; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TYPE: INDUCTION; SUPPL P/N: ZGHV-90-LD-02K; EX DE IIC T4; NON-SPARKING; FLAME AND EXPLOSION PROOF; SUPPLY WITH IECEX CERTIFICATE; THERMISTORS INSTALLED (STILL STAND SHEIZONO 74V; 0.96A; 40W)	EA	1		
731512	MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 55 A; POTENTIAL: 400/690 V; MOUNTING: B35 (FOOT & FLANGE); ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP (WITH RIGHT & LEFT) CABLE ENTRY; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CAST IRON; DIRECTION: CW & CCW; SPECIFICATION: IEC 60034; TYPE: HM1T 200L-4 B35;	EA	2		

	SUPPL P/N: P0101459; SUPPLIER TO PROVIDE DATASHEET & MOTOR DRAWINGS FOR TECHNICAL EVALUATION				
Material Number	Full Description	Unit of Measure	Required Quantity		
654300	MOTOR ELEC:75 KW;2967 RPM;IMB3;126/73 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2967 RPM; FRAME: IMB3; CURRENT: 126/73 A; POTENTIAL: 690 V; MOUNTING: FOOT; ENCLOSURE RATING: IP55; SHAFT SIZE: 65 MM; CONNECTION LOCATION: LH SIDE; INSULATION CLASS: 155(F/B); PHASE: 3; MANUF P/N: K11R 280S 2; REFERENCE NO: 196802/0001H	EA	3		
616304	MOTOR ELEC:7.5 KW;2915 RPM;132M;14/8.1 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 2915 RPM; FRAME: 132M; CURRENT: 14/8.1 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 41 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: B; DIRECTION: BI DIRECTIONAL; SPECIFICATION: IEC EN 60034-1; TYPE: SQUIRREL CAGE INDUCTION; SUPPL P/N: K25R132M2KV5W-TWS-VIK-HW	EA	6		
615259	MOTOR ELEC:37 KW;2940 RPM;200L;66 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 2940 RPM; FRAME: 200L; CURRENT: 66 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 30 MM; CONNECTION LOCATION: TOP; POLES: 2; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: S1; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: IE4 EFFICIENCY	EA	30		
599051	MOTOR ELEC:75 KW;1475 RPM;250S/M;IMB3 MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 130-75.4 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 70 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: 6316-C3; NON-DRIVE-END BEARING:6314-C3	EA	1		
599053	MOTOR ELEC:30 KW;1470 RPM;200L;IMB3 MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1470 RPM; FRAME: 200L; CURRENT: 56.2-32.6 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 55 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 80K (B); DIRECTION: BI-DIRECTIONAL; TYPE: INDUCTION; PREMIUM EFFICIENCY PLUS-MULTI VOLTAGE MOTOR; MUST BE TRANSPORTED	EA	2		

	ACCORDING ADHERENCE TO THE ESKOM STANDARD; NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD (DOCUMENT NUMBER: 240-56361435) IS ENSURED; DRIVE-END BEARING: 6312-C3; NON-DRIVE-END BEARING: 6212-Z-C3				
633964	MOTOR ELEC:75 KW;1475 RPM;250S/M;131 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 131 A; POTENTIAL: 400 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 70M6; CONNECTION LOCATION: LEFT; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: 180; SPECIFICATION: INDUCTION MOTOR 400 V 75 KW 3 PH 4P; TYPE: INDUCTION; REFERENCE NO: 1006506537; SUPPL P/N: 1006506537; USED ON EMERGENCY ASH STACKER BOOM CONVEYOR, W22 PREMIUM EFFICIENCY IE2; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED	EA	2		
568195	MOTOR ELEC:7.5 KW;1455 RPM;132M;8.17 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 8.17 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP66; SHAFT SIZE: 38 MM; CONNECTION LOCATION: RHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 7,5KW 132M 690V IE2; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: PEPW2503030; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	11		
574026	MOTOR ELEC:37 KW;1500/1475 RPM;225 S/M MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1500/1475 RPM; FRAME: 225 S/M; CURRENT: 68.1 A; POTENTIAL: 400 V; MOUNTING: IMB35; ENCLOSURE RATING: IP55; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; TO BE SUPPLIED WITH TEST CERTIFICATE	EA	3		
696237	MOTOR HYD:RADIAL PISTON;I/P 8800 CM3/REV MOTOR, HYDRAULIC: TYPE: RADIAL PISTON; INPUT: 8800 CM3/REV; OUTPUT: 140 NM/BAR; SPEED: 170 RPM; INLET CONNECTION TYPE: SAE SPLIT FLANGE CONNECTOR; INLET CONNECTION SIZE: SAE 1 1/4 IN; OUTLET CONNECTION TYPE: SAE SPLIT FLANGE CONNECTOR; OUTLET CONNECTION SIZE: SAE 1 1/4 IN; SHAFT SIZE: ID 140 MM; APPLICATION: MEDUPI COAL STACKER BOOM DRIVE; OEM P/N: CA 140 140 CB0NH0 02 00; REFERENCE NO: K14P 12517; COMPLETE WITH MDA 10 N 1 00 BRAKE AND TCA-14 TORQUE ARM; SHAFT TYPE: HOLLOW; MOUNTING TYPE: SHRINK DISC	EA	4		

681290	MOTOR ELEC:75 KW;2970 RPM;280S;124/71 A MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 2970 RPM; FRAME: 280S; CURRENT: 124/71 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 65 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: HAZARDOUS KK 400 A-SB EX E II; POLES: 2; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: CLOCKWISE; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: K21R280 S2 KV NS LL VIK HW; MOTOR IS FITTED WITH BACKSTOP TYPE FXM 100-40 SX (RINGSPANN); MOTOR TO BE SUPPLIED WITH A CERTIFICATE	EA	6		
639409	MOTOR ELEC:M34160003PPA/405;160 KW;315M MOTOR, ELECTRIC: POWER: 160 KW; SPEED: 1486 RPM; FRAME: 315M; CURRENT: 259 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 85 MM; CONNECTION LOCATION: TOP; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: FEED PUMP MOTOR; OEM P/N: M34160003PPA/405; PPA315M85-4	EA	2		
636177	MOTOR ELEC:45 KW;1475 RPM;225M;IMB3 MOTOR, ELECTRIC: POWER: 45 KW; SPEED: 1475 RPM; FRAME: 225M; CURRENT: 80.2-46.5 A; POTENTIAL: 400-690 V; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: H; PHASE: 3; DIRECTION: BI DIRECTIONAL; TYPE: INDUCTION; MANUF P/N: LS 5 223-4AH; DRIVE END BEARING 6313-C3; NON DRIVE END BEARING 6313-C3; THE MOTOR MUST BE TRANSPORTED SUCH THAT ADHERENCE TO THE ESKOM STANDARD, NAMELY THE TRANSPORT OF POWER STATION ELECTRIC MOTORS STANDARD DOCUMENT NUMBER 240-56361435, IS ENSURED	EA	3		
574034	MOTOR HYD:HP AXIAL PISTON;3800 RPM MOTOR, HYDRAULIC: TYPE: HP AXIAL PISTON; INPUT: 75 CM3/ICU; 420 BAR; OUTPUT: 120KW, 302 NM @ 250 BAR; SPEED: 3800 RPM; INLET CONNECTION TYPE: SAE SPLIT 2 HOLE FLANG CONNECTORS; INLET CONNECTION SIZE: 1 IN; OUTLET CONNECTION TYPE: SAE SPLIT 2 HOLE FLANG CONNECTORS; OUTLET CONNECTION SIZE: 1 IN; SHAFT SIZE: OD 34.51 X LG 39.5 SPLINED MM; APPLICATION: VARIABLE SPEED DRIVE; SPECIFICATION: ANSI 92.1; MANUF P/N: HMF75-02; FIXED DISPLACEMENT; SPLINES 16/32 WITH 21 TEETH; USED ON SSC HYDRAULIC DRIVE	EA	4		
616933	MOTOR ELEC:5.5 KW;1430 RPM;132S;10.8 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 1430 RPM; FRAME: 132S; CURRENT: 10.8 A; POTENTIAL: 400 VAC; MOUNTING: IM B; FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 38 MM; CONNECTION LOCATION: SIDE; INSULATION CLASS: H/B RISE; PHASE: 3; CASING MATERIAL: CI; DIRECTION: CLOCK WISE	EA	10		

692908	MOTOR ELEC:4 KW;970 RPM;132;8.72 A;400 MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 970 RPM; FRAME: 132; CURRENT: 8.72 A; POTENTIAL: 400; MOUNTING: IMB5; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: LEFT FROM DE; CLASSIFICATION: IEC 60034; POLES: 6; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: S1; TEMPERATURE CLASS: B; DIRECTION: BI; TYPE: SQUIRREL CAGE; REFERENCE NO: M36004003PPA/405; PPA132M; MOTOR COMES WITH DECODER ON NDE SIDE; SEPARATE MOTOR & FAN FOR COOLING 400V; 0.1KW; 0.22A 2 POLES AND CORBETTA BREAKS ON NDE MEG160; 380VAC; 70NM	EA	6		
679620	MOTOR, ELECTRIC: POWER: 4 KW; SPEED: 1440 RPM; FRAME: 112 M; CURRENT: 8.12/4.71 A; POTENTIAL: 400/690 V; MOUNTING: IMV1; ENCLOSURE RATING: IP66; SHAFT SIZE: DIA 28 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: NON HAZARDOUS; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; DIRECTION: BI; SPECIFICATION: IEC 60034; TYPE: SQUIRREL CAGE; SUPPL P/N: W22; SUPPLIERS TO PROVIDE DATA SHEETS WHEN RESPONDING TO RFQ; MOTOR FAN COWL TO INCLUDE RAIN COVER	EA	6		
666473	MOTOR ELEC:M32001103PPA/405;1.1 KW;80 MOTOR, ELECTRIC: POWER: 1.1 KW; SPEED: 2880 RPM; FRAME: 80; CURRENT: 2.3 A; POTENTIAL: 400 V; MOUNTING: B3 HORIZONTAL; ENCLOSURE RATING: IP66; SHAFT SIZE: 19 MM; CONNECTION LOCATION: LEFT; INSULATION CLASS: H DIE CAST AL; PHASE: 3; CASING MATERIAL: CI/TEFC; TEMPERATURE CLASS: AMBIENT; TYPE: SERVICE DEMIN WATER PUMP; OEM P/N: M32001103PPA/405; PPA80M19-2	EA	5		
659292	MOTOR ELEC:37 KW;1480 RPM;315;66.1 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1480 RPM; FRAME: 315 ; CURRENT: 66.1 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP44; SHAFT SIZE: 140 MM ; CONNECTION LOCATION: LH SIDE; POLES: 4; CASING MATERIAL: CI; MANUF P/N: HS225S-L4; FOR MS40 SDR	EA	2		
582674	MOTOR ELEC:7.5 KW;1455 RPM;132M;14.8 A MOTOR, ELECTRIC: POWER: 7.5 KW; SPEED: 1455 RPM; FRAME: 132M; CURRENT: 14.8 A; POTENTIAL: 400 V; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; SHAFT SIZE: 38 MM; CONNECTION LOCATION: TOP; POLES: 4; INSULATION CLASS: F; PHASE: 3; SERVICE FACTOR: 1; TYPE: SQUIRREL CAGE; MANUF P/N: W22-IE1-132M; REFERENCE NO: 1010067774; IE1 STANDARD EFFICIENCY; USED ON STACKER TRAVEL DRIVES AND IS EQUIPED WITH A BRAKE; WITHOUT FEET	EA	15		
582675	MOTOR ELEC:9.2 KW;1465 RPM;200;17 A MOTOR, ELECTRIC: POWER: 9.2 KW; SPEED: 1465 RPM; FRAME: 200; CURRENT: 17 A; POTENTIAL: 400 V; MOUNTING: FLANGE B14; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LH; CLASSIFICATION: ZONE	EA	9		

	21; POLES: 4; INSULATION CLASS: F; PHASE: 3; TYPE: CONICAL ROTOR; MANUF P/N: KBA200B4; DRAWING NO: 0.84/10506 REV 0; REFERENCE NO: 43121580; SUPPLIED WITH BRAKE; USED ON RECLAIMER TRAVEL DRIVE				
528055	MOTOR ELEC:5.5 KW;960 RPM;132M;13 A MOTOR, ELECTRIC: POWER: 5.5 KW; SPEED: 960 RPM; FRAME: 132M; CURRENT: 13 A; POTENTIAL: 400 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP55; SHAFT SIZE: 38 MM; CONNECTION LOCATION: LEFT HAND SIDE; POLES: 6; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; DIRECTION: ANTI CLOCKWISE; TYPE: INDUCTION; REFERENCE NO: 1001428495; FOR USE ON BALANCING TANK DISCHARGE PUMP ON SEWAGE PLANT	EA	4		
563180	MOTOR ELEC:90 KW;1485 RPM;280S/M;158 A MOTOR, ELECTRIC: POWER: 90 KW; SPEED: 1485 RPM; FRAME: 280S/M; CURRENT: 158 A; POTENTIAL: 400/690 VAC; MOUNTING: IMB35 FOOT AND FF-500 FLANGE; ENCLOSURE RATING: IP66; SHAFT SIZE: 75 MM; CONNECTION LOCATION: TOP; CLASSIFICATION: SAFE ZONE; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; TEMPERATURE CLASS: B; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 90KW 280S/M 400V IE2; TYPE: SQUIRREL CAGE, INDUCTION MOTOR; MANUF P/N: W22 280 S/M; WEG; APPLICATION: CONVEYORS AT COAL STOCKYARD; FREQUENCY: 50HZ; LOCK ROTOR TORQUE: 210 PCT; BREAKDOWN TORQUE: 270 PCT; NOISE LEVEL: 69DBA; FULL LOAD TORQUE: 579 NM; FRONT BEARINGS: NU319-C3; AND REAR BEARINGS: 6316-C3; COLOUR: G29; COLLING: IC411; POWER FACTOR: 0.87; EFFICIENCY: 94.7 PCT; DUTY CYCLE: S1; AMBIENT TEMPERATURE: -20 TO 40 DEG C; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS	EA	3		
568190	MOTOR ELEC:75 KW;1475 RPM;250S/M;IP66 MOTOR, ELECTRIC: POWER: 75 KW; SPEED: 1475 RPM; FRAME: 250S/M; CURRENT: 131/76.2 A; POTENTIAL: 400 VAC; MOUNTING: FLANGE/FOOT; ENCLOSURE RATING: IP66; SHAFT SIZE: 65 MM; CONNECTION LOCATION: LHS FROM DE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1.15; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 75KW 250S/M 400M; TYPE: SQUIRREL CAGE; MANUF P/N: 1LG4258-4AA60-2; SIEMENS	EA	3		
568191	MOTOR ELEC:340 KW;1488 RPM;355L;342 A MOTOR, ELECTRIC: POWER: 340 KW; SPEED: 1488 RPM; FRAME: 355L; CURRENT: 342 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 95 MM; CONNECTION LOCATION: LH/RH SIDE; CLASSIFICATION: ZONE 21; POLES: 4; PHASE: 3; CASING MATERIAL: CI; SERVICE FACTOR: 1; TEMPERATURE CLASS: 155 (F) DEG F; DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1PG8353-4PM80; EXT IIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	3		

568193	MOTOR ELEC:37 KW;1475 RPM;225S;39.5 A MOTOR, ELECTRIC: POWER: 37 KW; SPEED: 1475 RPM; FRAME: 225S; CURRENT: 39.5 A; POTENTIAL: 690 VAC; MOUNTING: IMB3; ENCLOSURE RATING: IP65; SHAFT SIZE: 60 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: F; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155 (F); DIRECTION: BI-DIRECTIONAL; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 1LG4220-4AA60; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR	EA	2		
568194	MOTOR ELEC:30 KW;1465 RPM;200L;32.5 A MOTOR, ELECTRIC: POWER: 30 KW; SPEED: 1465 RPM; FRAME: 200L; CURRENT: 32.5 A; POTENTIAL: 690 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CI; TEMPERATURE CLASS: 155(F); DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 1LG4 207-4AA60-Z; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 33207437320310; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED; EXT IIIC T135 DEG C DB; IA CERTIFICATE TO BE SUPPLIED WITH MOTOR; MOTOR TO BE FITTED WITH COOLING FAN UNIT	EA	2		
580243	MOTOR:STARTER DC MOTOR: TYPE: STARTER DC; MANUF P/N: X52417200007	EA	4		

The total of the Prices

PART 3: SCOPE OF WORK

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C3.2	<i>Supplier's</i> Goods Information	
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C3.1: *PURCHASER'S* GOODS INFORMATION

Contents

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1 Overview and purpose of the *goods and services*

The reliability and availability of the Low Voltage Motors in general is a concern for Medupi Power station due to unplanned downtime, and it has contributed to many production risks on the Units. Initiatives to improve the reliability and availability of the Low Voltage Motors amongst others includes, placing a spares supply contracts to improve the availability and reduce downtime to due spares unavailability.

This document will describe the scope of work required for provision of LV motor spares at Medupi Power Station for 60 months on as an when required basis.

1.1 Scope of Work

The scope of this contract is for Provision of LV motor spares at Medupi Power Station on as an when required basis. All spare descriptions with part numbers are listed on 241-2022205 Appendix A Table 1 and miscellaneous spares are covered on Table 2.

All the Spares supplied by the Contractor must be the same in all respects when compared to the original equipment. Where spares offered deviate from the original in any respect, it should be indicated to the Employer for acceptance.

All spares delivered will undergo Quality Control Checks before Acceptance. Drawings, Datasheets & Ex-rated Certificates (For Hazloc Applications) shall be submitted for Acceptance as part of quality control checks. Additional Information such as Installation, operating and Preservation manuals shall be delivered with the spares.

It is the Contractor's responsibility to ensure that correct spares are delivered. If the incorrect spares are delivered, the spares will be rejected and will have to be replaced with the correct spares at the Contractor cost. This includes transport and delivery.

1.2 Employer's requirements for the service

For All requirements on the services required, Refer to Medupi Power Station Supply of Spares for Low Voltage Motors 241-2022205 Rev 4.

1.3 Transportation

Delivery and Transport of spares (motors) must be as per the Transport of Power Station Electric Motors 240 56361435 standard requirements.

2 Specification and description of the *goods*

The specification and description of the goods are provided in document 241-2022205 Rev 4 in Appendix A. For Miscellaneous items, specification and description of the goods will be provided by the Employer as when required. The goods supplied will be as the provided specification, quality control checks will be conducted to ensure such. If the specified spare has been discontinued or cannot be obtained, the supplier will formally raise this to the employer with a successor recommendation for acceptance.

The supplier is required to supply and deliver Low Voltage Motors spares for Medupi Power Station.

2.1 Purchaser's design

The purchaser does not have designs, nor will they design any of the goods specified in document 241-2022205.

2.2 Procedure for submission and acceptance of *Supplier's* design

N/A.

2.3 Other requirements of the *Supplier's* design

N/A.

2.4 Use of *Supplier's* design

N/A.

2.5 Manufacture & fabrication

All spares items shall be manufactured to comply with New Low Voltage Motors Procurement Standard 240 – 57617975. Where insufficient, the South African National Standards (SANS) and International Electrotechnical Commission (IEC) standards will apply.

2.6 Factory acceptance testing (FAT)

All spare motors/goods classified as Ex-rated (used in hazardous locations) are to be supplied with valid Ex Certificates as per Eskom 240-56536505 Hazard Locations Standard. Where insufficient, the South African National Standards (SANS) will be applied.

2.7 Other tests and inspections and commissioning in place of use

The Supplier shall provide datasheets and drawings with the required goods as per Appendix A. Quality Control checks will be conducted on delivery of the goods to ensure that the correct item has been delivered, that it is of quality, Valid Ex-rated certificates have been provided (where applicable), and the quantity is as per the order before Acceptance. Goods that fail quality control checks will be rejected. The supplier will be required to collect the incorrect goods and replace with the correct one at their cost.

2.8 Operating manuals and maintenance schedules

Goods shall be supplied with their respective detailed design specification. Mandatory information to be provided for goods acceptance shall be datasheets, drawings, and Ex-rated certificates (where applicable). Additional Information in the form of operating and installation manuals shall be provided on delivery of the goods.

3 Supply Requirements

- It is required that the supplier uses the following documents as minimum for the supply of LV motors spares. The most recent edition of the listed documents shall apply.
 - Medupi Power Station Supply of spares – LV motors 241-20222205,
 - New Low Voltage Motors Procurement Standard 240 – 57617975
 - Transport of Power Station Electric Motors 240 – 56361435
- Batches to be clearly marked and packed according to the LV Motors spares list.

4 Specification of the services to be provided

- The Spares must be the same in all respects when compared to the original equipment, supplied to Eskom by OEM under contract. Where Low Voltage Motors spares offered deviate from the original in any respect, it should be indicated to the Employer for approval.
- Only once the spares have passed the Quality control checks and are booked into the system can payment be affected.
- It is the Contractor's responsibility to ensure that correct spares are delivered. If the incorrect spares are delivered, the spares will have to be replaced with the correct spares at the Contractor cost. This includes transport and delivery.
- Delivery and Transport of motors must be as per the Transport of Power Station Electric Motors (240 56361435) standard requirements.
- The Delivery and Transport Costs must be included in the quotation.
- Early deliveries are not allowed, except where it is at the employer's request..
- No deliveries to be done on a Weekend or Public holiday unless if emergency occurred.

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- All spares provided by the Supplier will be subject to a quality control process before acceptance.
- Only once the spares have passed the Quality control checks and are booked into the system can payment be affected.

5.2 Work to be done by the Delivery Date

- The spares and components will be supplied to the "goods received" section of the Medupi main store where it will be received by the material management section. The spares will be delivered with all the required documents and certificates, where required.
- Medupi Stores Working Times: Monday — Thursdays: 07h00 — 16h00
Fridays: 07H00 — 12h00
- Supplier to quote the Eskom official purchase order in all delivery notes and invoices.
- Goods must be well packaged and safely transported.
- Eskom to acknowledge receipt of goods by stamping and signing the delivery note of the supplier upon delivery, rejected items to be communicated after the official quality inspection is done on site by the end-user of the product .
- Rejected goods must be collected and the correct goods supplied within 14 days.

5.3 Marking the *goods*

Packaging and Marking should be as follows:

- The different spare types are to be packaged separately in such a way that each type can be stored separately.
- Packaging and labelling of spares should ensure that the spare can be identified without opening the packaging.
- Where possible the packaging should ensure that parts can be positively identified through the packaging. Where this is not possible the packaging should allow opening and closing of the packaging and still maintain the packaging integrity afterwards.
- Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):
 - Order number,
 - A short description of component
 - The stock numbers.
 - Manufacturing date, where possible

5.4 Constraints at the delivery place and place of use

- Supplier / representative must follow Eskom Life Saving Rules when delivering goods to Medupi Power Station.
 - **Buckle up**
No person may drive any vehicle on Eskom business and/or on Eskom premises:
Unless the driver and all passengers are wearing seat belts
 - **Be Sober**
The person making a delivery to Medupi power station should not be under the influence of alcohol or drugs.
- Medupi power station's main store operating hours are as follows:
 - Monday — Thursdays: 07h00 — 16h00
 - Fridays: 07H00 — 12h00

5.5 Cooperating with Others

The Supplier will only be required to co-operate mainly with Medupi Power Station Contract management, Procurement, Stores Personnel and Engineering personnel assigned for the duration of this contract.

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

Medupi Main stores (goods receiving section) shall facilitate the offloading of goods providing relevant lifting equipment required.

5.7 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	As and When Required	Eskom Medupi Power Station	<i>Purchaser, Supplier,</i>
Overall contract progress and feedback	Monthly	Eskom Medupi Power Station and/or Ms Team	<i>Purchaser, Supplier, and ____</i>
Kick-off Meeting	Once-off	Eskom Medupi Power Station	<i>Purchaser, Supplier,</i>
Rejected items	As per delivery	Eskom Medupi Power Station	

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

- Each instruction, certificate, submission, proposal, record, acceptance, notification, reply and other communication which this contract requires is communicated in a form which can be read, copied and recorded.
- Writing is in the Language of this contract.
- All reports to be discussed, compiled, and handed in to the Eskom.
- All communications must be printed and filed in the Purchaser file.
- All goods being delivered to Medupi Main Stores must have the following:
 - Unique delivery note number per delivery
 - Delivery note – must have unique number, date of delivery, items that were delivered (material number, material short description, serial number and quantity delivered)
 - Delivery note must come in duplicates so that one copy is kept at Medupi Main Stores and other goes with the supplier for invoicing purposes and as a proof of delivery.
- Both copies of delivery notes to be stamped with receiving stamp of Medupi Power Station and must have the signature of the receiver as well as the receiving personnel full names.

5.9 Health and safety risk management

5.9.1 The Supplier shall comply with the following requirements governing health and safety in Eskom and South Africa:

- a) Basic Conditions of Employment Act No 75 of 1997.
- b) Occupational Health and Safety Act and Regulations No 85 of 1993.
- c) National Road Traffic Act 93 of 1996.
- d) 32-37 Eskom Substance Abuse Procedure.
- e) 240-62196227 Life- Saving Rules.
- f) 32-727 SHEQ Policy
- g) 240-62946386 Vehicle and Driver Safety Management Procedure
- h) 32-520 Risk Assessment procedure
- i) COIDA Act

5.9.2 Vehicle Safety Management

The Service Provider must comply to the following requirements when planning the route to Medupi Power Station for delivery:

- a) It is the responsibility of the driver to ensure:
 - Their passengers wear seat belts whilst the vehicle is in motion.
 - Comply with all traffic road rules, safety, direction, and speed signs.
 - Ensure that vehicle loads are properly secured prior to moving off.
 - Ensure that vehicles are not overloaded.
- b) Service Providers are required to conduct the route risk assessment prior to travelling/driving.
- c) No drivers or operators may text, talk on cell phones or two-way radios whilst driving.
- d) All drivers shall have a valid medical fitness certificate.
- e) The First aid box with valid contents and fire extinguishers must be included in the vehicle, be services annually and inspected monthly. Drivers must be trained on how to use the First aid box and fire extinguishers.
- f) Two triangles must be included in the vehicle and the emergency number be displayed at the back of the vehicle.
- g) Each Project site that is enclosed by demarcation will have system/ process to manage vehicle access to site.
- h) Contractor must maintain their vehicles in a roadworthy condition and a vehicle license must be valid at all times and this is applicable to yellow plant.
- i) Drivers of light vehicles must avoid stopping or parking in the vicinity of machines. At least 30 (thirty) meters must be left clear between such a vehicle and such a machine.

j) Contractor vehicles can be subject to inspections by the Client/Agent's representative. Vehicles which are not roadworthy will not be permitted to be used on site.

k) Drivers/operators shall be responsible for the travel-worthiness of all loads conveyed by them. Precautions shall be taken to secure all loads properly. Loads projecting from vehicles shall be securely loaded and in daytime a red flag and during darkness a red light or red reflective material shall be attached to the extreme end of such projecting materials.

5.10 Environmental constraints and management

The Supplier shall comply with all applicable environmental laws, permits, regulations and rules, guidelines and Environmental procedures for Eskom.

Supply to ensure that waste receptacles are provided where required. Waste disposal shall be a responsibility of the client.

5.11 Quality

Specify minimum requirements for the *Supplier's* Quality Plan and Work Procedures if required and not already covered in the specifications for the *goods*. State whether ISO compliance is a condition and if so which ISO standard shall apply.

5.12 Invoicing and payment

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

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*;
- The contract number and title;
- *Supplier's* VAT registration number;
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;

Requirements

- All Electronic invoices must be sent in PDF format only.
- An Invoice that was printed and then scanned to PDF by the Vendor is not acceptable as this is not an original tax invoice by SARS definition but a copy.
- The following wording needs to appear on the invoice: "Your invoice is encrypted in order to comply with SARS requirements that invoices, and statements sent electronically are tamperproof."
- If there is Cost Price Adjustment (CPA) on your invoice we recommend that you issue a separate invoice for CPA so that if there are any issues on the CPA, the rest of the invoice can be paid while resolving the CPA issues.
- You do not require a goods receipt (GR) number to submit your invoices. When the GR number is received you can then send the GR number to the FSS contact centre at FSS@eskom.co.za or 011 800 5060.
- All queries and follow up on invoice payments should be made by contacting the FSS Contact Centre: Tel: 011 800 5060 or email: fss@eskom.co.za

5.13 Insurance provided by the *Purchaser*

Name and Surname	Contact Details	e-mail address
Mr Wiseman Khoza	+27 11 800 6268	Wiseman.khoza@eskom.co.za
MR Krishan Chaithoo	+27 11 800 4455	ChaithK@eskom.co.za
Ms Thembi Mabanga	+27 11 800 6509	thembi.mabanga@eskom.co.za
Ms Mamosidi Katane- Mathibela	+27 11 800 6380	KataneE@eskom.co.za
Mr Velaphi Mabaso	+27 11 800 3836	Velaphi.mabaso@eskom.co.za

Ms Beverley Jemaine-Cain	+27 11 800 3331	Beverley.jemaine-cain@eskom.co.za
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5.14 Contract change management

In case of compensation event either party will notify the other. Then the NEC 3 SC compensation event process will be followed. No work to be done until Purchaser provide permission.

5.15 Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Supplier* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Purchaser* may withhold payment of amounts due to the *Supplier* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Supplier* by the *Supply Manager* to receive and accept such bond or guarantee. Such withholding of payment due to the *Supplier* does not affect the *Purchaser's* right to termination stated in this contract.

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

The *Contractor* is required to keep record and submit proof of all the actuals, to be verified at the completion of the Payment Certificate and assessment, should the *Service Manager* request to do so.

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

Some contracts may need to include provision for the supply of a minimum category of spares, fuel, oil or other consumables which the *Purchaser* may need at or just after delivery or commissioning of the *goods* and that it is best the *Supplier* provide these initially as part of his Providing the Goods and Services

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*

N/A

7 List of drawings

7.1 Drawings issued by the *Purchaser*

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

Drawing number	Revision	Title
N/A		

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.
