

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.



NEC3 Supply Contract (SC3)

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

and
(Reg No. _____)

for **SUPPLY AND DELIVERY OF ELECTRICAL POWER
AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO
LETHABO POWER STATION**

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CONTRACT No.

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Offer

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

The Supply and Delivery of Electrical Power and Distributions on a Once-off basis to Lethabo Power Station

The tenderer, identified in the Offer signature block, has

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

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

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

Note: This agreement is concluded on an “as and when required” basis. Accordingly, the contract price indicated above is an estimate only and shall not be interpreted as a fixed or guaranteed amount of work or payment.

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

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

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Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

**Power Station General Manager:
Lethabo Power Station**

**for the
Purchaser**

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

Name &
signature of
witness

Date

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

Note:

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

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

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

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

For the tenderer:**For the Purchaser**

Signature

Name

Capacity

On behalf of *(Insert name and address of organisation)*

Name & signature of witness

Date

Power Station General Manager: Lethabo Power Station**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199**

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		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.	011 800 8111
	Fax No.	N/A
10.1	The <i>Supply Manager</i> is (name):	TBC
	Address	Lethabo Power Station Private Bag X 415 Vereeniging 1830
	Tel	+27 16 457 5267
	Fax	N/A
	e-mail	TBC
11.2(13)	The <i>goods</i> are	ELECTRICAL POWER AND DISTRIBUTIONS
11.2(14)	The following matters will be included in the Risk Register	• Unavailability of Access to site due to road closure. • Unavailability of personnel or resources to offload • Industrial action onsite

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

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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) working days after notification	
2	The <i>Supplier's</i> main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	Date of last signature of the contract as agreed by both parties	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i>	<i>delivery date</i>
		1	Electrical Power and Distributions
			As stipulated on the purchase order
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	To be agreed by both parties as and when event arise	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	One (1) week after kick-off meeting	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	One (1) week.	
4	Testing and defects		
42	The <i>defects date</i> is	Fifty-two (52) weeks after Delivery of each purchase order.	
43.2	The <i>defect correction period</i> is	The Supplier corrects notified Defects within 1 week of the defect being notified to the Supplier by the Supply Manager or his/her delegate or such longer period as is reasonable under the circumstances and agreed by the Parties. Purchaser shall provide access to the Supplier to collect the defected goods for correction or replacement. Supplier shall be liable for Supplier's own costs incurred as a result of such action only	
	and the <i>defect correction period</i> for	Five (5) working days	
5	Payment		

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50.1	The <i>assessment interval</i> is	Between the 25th day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	Thirty days after assessment and receipt of undisputed contractor tax invoice ATTENTION: Eskom's standard policy on payment term for all contracts valued above R50 000 0000 (Fifty Million Rand), including VAT, is 60 days. Bidders are requested to bear this payment term in mind when submitting bids and concluding contracts.
51.4	The <i>interest rate</i> is	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
6	Compensation events	Refer to Clause 6 of the NEC3 SC
7	Title	Refer to Clause 7 of the NEC3 SC
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	1. Obsolete Goods 2. Preservation 3. Change in the works information
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	N/A
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	The value of the contract price

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88.5	The <i>end of liability date</i> is	One (1) year after Delivery of the whole of the goods and services per purchase order goods and services.
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9 Termination and dispute resolution

90.1		NEC3 core clause 9 shall be applied for termination
		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.
94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	To be known once the dispute arises
	Tel No.	To be known once the dispute arises
	Fax No.	To be known once the dispute arises
	e-mail	To be known once the dispute arises
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	Arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	Johannesburg, South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	
	- if the arbitration procedure does not state who selects an arbitrator, is	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X2	Changes in the law	Refer to clause X2 of the NEC3 SC
X2.1	A change in the law of	The Republic of South Africa

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X7	Delay damages		
X7.1	Delay damages for Delivery are	Delivery of	amount per day
		Delay damages shall be applied per line item, per Purchase Order, for each day from the required delivery date until the actual delivery date, subject to a maximum aggregate delay damages amount of 10% of the value of the affected line item on the Purchase Order.	2% per day
X17	Low performance damages		
X17.1	The amounts for low performance damages are:	Percentage per line item up to a maximum of 10%	Performance level
		1% per day	for delivery of incorrect specification (Material)
		1% per day	for not meeting quality standards including documents
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

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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.

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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

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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

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

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INSURANCE TABLE A

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

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

87

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

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

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Business Interruption	
Nuclear Material Damage Terrorism	Per the insurance policy document

Z14 Nuclear Liability

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

Z15 Asbestos

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

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

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Measurements	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.

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Annexure A: Supply Requirements**The Supply Requirements for this contract are as follows:**

1. The requirements for the supply are	Supply and delivery of Electrical Power and Distributions on a once—off order to Lethabo Power Station	
2. The requirements for transport are	Roadworthy delivery vehicle that is appropriate to deliver the material as per the scope of work to Lethabo Power Station	
3. The delivery place is	Lethabo Power Station Main Stores	
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>	Supplier
For international procurement	Undertake export requirements	Supplier
	Undertake import requirements	Supplier
5. Information to be provided by the Supplier	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
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*

Notes to a tendering supplier:

1. Please read both the NEC3 Supply Contract (SC3)³ and the relevant parts of its Guidance Notes (SC3-GN)⁴ 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><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr><tr><td>1 [•]</td><td> [•]</td></tr></table>	<i>goods and services</i>	<i>delivery date</i>	1 [•]	[•]
<i>goods and services</i>	<i>delivery date</i>					
1 [•]	[•]					
31.1	The programme identified in the Contract Data is contained in:					
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%				

³ Either April 2013 or December 2009 Edition as stated by *Purchaser* in Contract Data part 1.

⁴ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za

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PART 2: PRICING DATA
NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	24
C2.2	The <i>price schedule</i>	26

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
		- 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

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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 Number	Description	Unit	Qty	Rate	Price	Lead Time
0014495	WIRE, ELECTRICAL: TYPE: PANEL; SIZE: 1.5 MM2; COLOR: RED; STRUCTURE: MULTISTRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 300-500 V; REFERENCE NO: ENC HSW00003; 0.20 MM DIA. STRANDS, IN 100 METER COILS; SINGLE CORE	M	425			
0014523	WIRE, ELECTRICAL: TYPE: BUILDING; SIZE: 2.5 MM2; COLOR: RED; STRUCTURE: (7) STRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 600 V TO 1 KV; REFERENCE NO: K1525001C00056RRC1; 0.68 MM STRANDS, IN 100 METER COILS; SINGLE CORE	M	796			
0053913	CABLE ASSEMBLY, POWER ELECTRICAL: TYPE: OIL FLAME MONITOR; OVERALL LENGTH: 6 M; CONDUCTOR QUANTITY: 2; CONDUCTOR FORM: TWISTED PAIR; BRAIDED SCREEN; POTENTIAL: 500 V; COLOR: BLACK; MATERIAL: METAL FLEXIBLE; TERMINATION TYPE: QUICK DISCONNECT PLUG AT VIEWING HEAD; REFERENCE NO: FE2020SI-1L6HT; COMPRISING OF FLAME MONITOR CABLE AND SOCKET ASSEMBLY	EA	130			
0054006	CABLE: TYPE: GAS AIR IGNITOR; DIAMETER: 10 MM; LENGTH: 6 M; MATERIAL: COPPER; REFERENCE NO: LT300-LEAD-L6HT; HT 180 DEG C; HIGH TEMPERATURE IGNITER LEAD	EA	80			
0144718	WIRE, ELECTRICAL: TYPE: BUILDING; SIZE: 1.5 MM2; COLOR: BLACK; STRUCTURE: 3 STRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 600 V TO 1 KV; SINGLE CORE	M	257			
0144766	CABLE, ELECTRICAL: CONDUCTOR SIZE: 35 MM2; CONDUCTOR: 1 CORE, CU STRANDED; CONDUCTOR INSULATION: ETHYLENE/PROPYLENE; SUPPL P/N: N16752; INSULATED WELDING CABLE, COLOUR GREY, AND ANNEALED, 1330 STRANDS OF 0,18MM DIAMETER STRAND; WELDING 300A, PVC, NO COVERING	M	300			

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0144960	CABLE, ELECTRICAL: TYPE: BATTERY BUFFER; CONDUCTOR: 5 CORE, CU; COVERING: PVC; CONDUCTOR INSULATION: PVC; REFERENCE NO: C79363-A3008-B76; SET, FOR USE WITH POWER SUPPLY TO BATTERY	EA	11			
0144967	CABLE, ELECTRICAL: VOLTAGE: 380 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 2 MM2; ARMOR: UNARMORED; DESIGN TYPE: RETRACTILE COIL; TYPE: EXPANDA; COVERING: RUBBER; RATING: 380 V; CONDUCTOR INSULATION: RUBBER; REFERENCE NO: 341590-1002; S090; TYPE DIAMOND POWER, LEFT HAND COIL, 3 PHASE, 4 CORE, WHITNEY BLAKE 14-4, TYPE SO 90, USED ON SOOTBLOWER AND CONTROL PANELS	EA	3			
0144968	CABLE, ELECTRICAL: CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; TYPE: EXPANDA; COVERING: RUBBER; RATING: 380 V; CONDUCTOR INSULATION: RUBBER; REFERENCE NO: 332825-9027; DIAMOND POWER, RIGHT HAND COIL, 3 PH, WHITNEY BLAKE 14-4, TYPE SO 90 DEG C	EA	4			
0145087	WIRE, ELECTRICAL: TYPE: AUTOMOTIVE; SIZE: 2.5 MM2; COLOR: RED; STRUCTURE: 70 STRAND; MATERIAL: CU; INSULATION: SILICON; RATING: 300-500 V; SINGLE CORE	M	225			
0145110	CABLE, COMMUNICATION: CONDUCTOR: 6 CORE, CU; CONDUCTOR SIZE: 0.75 MM2; SHEATH MATERIAL: PVC GREEN; INSULATION: PVC; CONDUCTOR RATING: 24 V; SCREEN: WIRE; COLOUR CODED: ONE BLACK, ONE RED, ONE GREEN, ONE YELLOW, ONE WHITE, ONE BLUE, TO BE 3 PAIRED, CLASS 6 NCB 643/1979, IN 550M ROLL, FOR PULL-KEY ASH PLANT; TYPE: INSTRUMENTS	M	768			
0118273	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 1 KV; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 22 X LG 90 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: GS1000-50; OFFSET 6.35 MM WITH SLOT, 2.30 MM MTG CENTRES	EA	20			
0143309	STOP: TYPE: CIRCUIT BREAKER 22 KV; DIMENSIONS: ID 75 X OD 110 X WD 20 MM; MATERIAL: TEFLON; REFERENCE	EA	6			

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	NO: HAMT402504P2; 2881; DR36U1750D; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).					
0143311	DAMPER: TYPE: CIRCUIT BREAKER 22 KV; DIMENSIONS: ID 76 X OD 120 X THK 15 MM; MATERIAL: RUBBER; REFERENCE NO: HAGT339679P1; 2914; DR36U1750D; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	6			
0175020	ASSEMBLY: TYPE: CIRCUIT BREAKER PISTON; SUPPL P/N: 8552; REFERENCE NO: DR36U1750D; HAGT339326R1; POTENTIAL: 22 KV	EA	2			
0175030	CARRIER: TYPE: CONTACT; SUPPL P/N: 5191; REFERENCE NO: HAMT 200024 R1; WITH RING; FOR 22KV DR36U1750D CIRCUIT BREAKER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	7			
0179202	BREAKER, CIRCUIT: POTENTIAL: 3.3 KV; CURRENT: 1.25 KA; POLE: 3; TYPE: OIL; INTERRUPT CAPACITY: 40 KA; REFERENCE NO: 3AF1162-3N	EA	2			
0217914	BREAKER, CIRCUIT: POTENTIAL: 17.5 KV; CURRENT: 1.25 A; TYPE: VACUUM; INTERRUPT CAPACITY: 25 KA; SUPPL P/N: 3AHMQ5214-2; MODEL NO: MQ00375; WITH CONTACT ARMS, SIEMENS, F 50/60HZ, DESIGN CODE F	EA	2			
0137968	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 49 X LG 470 X THK 15 MM; REFERENCE NO: 2008-180; SHAPE RECTANGULAR, FLEXIBLE LUMINATIONS.	EA	11			
0145655	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 58 X LG 417 X THK 14 MM; REFERENCE NO: 2109-105HD; 2109/105 HD; SHAPE RECTANGULAR	EA	3			
0145656	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 58 X LG 602 X THK 14 MM; REFERENCE NO: 2109-151HD; 2109/151 HD; SHAPE RECTANGULAR	EA	3			
0609731	BATTERY, PACK: POTENTIAL: 7.4 V; CURRENT CAPACITY: 2250 MA HR; TYPE: LI-ION; CONNECTION: 2 AU PLATED OUTPUT; WIDTH: 55 MM; LENGTH: 90 MM; HEIGHT: 20	EA	10			

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	MM; REFERENCE NO: BP-232N; 3 SILVER PLATED CHARGING INPUTS; FOR PORTABLE RADIO					
0000179	SOLDER: MATERIAL: 40PB60TIN; DIMENSIONS: DIA 1.6 MM; FORM: WIRE RESIN CORE; REFERENCE NO: 60T2; SUPPLIED IN 500 GRAM REELS, REQUIRED A MATERIAL SAFETY DATA SHEET WITH EVERY DELIVERY	EA	5			
0005150	PLUG, ELECTRICAL: TYPE: WIRING DEVICE; POLE: 3; WIRE: 3; POTENTIAL: 250 VAC; SPECIFICATION: SABS 164; CURRENT: 16 A; RUBBER	EA	134			
0005994	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: PIN; CONDUCTOR SIZE: 1.17-3.24 MM2; MOUNTING TYPE: DOUBLE CRIMP; MATERIAL: CU TIN PLTD; REFERENCE NO: FVDWSPC-2; BLUE INSULATION, COMPRESSION CONDUCTOR CONNECTION, 12MM PIN TERMINATION END,LUG, VINYL INSULATED DIMENSIONS: L=21.6MM X F=12.MM X D2=1.9MM	EA	225			
0006021	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: PIN; CONDUCTOR SIZE: 0.34-1.57 MM2; MOUNTING TYPE: DOUBLE CRIMP; MATERIAL: CU TIN PLTD; REFERENCE NO: PVPC1-25; LUG, PRE INSULATED WIREGRIP, VINYL INSULATED, DIMENSIONS: L 21.6MM, F 12MM, D2 1.9MM; INSULATION: RED; TERMINATION END 1.9MM, COMPRESSION CONDUCTOR CONNECTION	EA	245			
0059189	FERRULE, ELECTRICAL CONDUCTOR: ACCOMODATED WIRE SIZE: 1.5 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB2F; NO INSULATION	EA	280			
0059191	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 5 MM; ACCOMODATED WIRE SIZE: 16 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB16F; NO INSULATION	EA	243			
0059192	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 2 MM; ACCOMODATED WIRE SIZE: 2.5 MM2; MATERIAL: CU; END TYPE: COMPRESSION; REDUCING NO INSULATION	EA	300			
0059193	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 6.5 MM; ACCOMODATED WIRE SIZE: 25 MM2; MATERIAL: CU TINNED; END	EA	149			

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	TYPE: COMPRESSION; REFERENCE NO: HTB25F; NO INSULATION					
0059194	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 3 MM; ACCOMODATED WIRE SIZE: 4 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB4F; NO INSULATION	EA	212			
0124482	BLOCK, TERMINAL: POTENTIAL: 380 V; CURRENT: 20 A; WIRE SIZE: 4 MM2; CIRCUIT: 12; WIDTH: 26 MM; LENGTH: 170 MM; SUPPL P/N: 1325; FLEXIBLE BLACK PVC MOULDING; READILY SUB-DIVIDED 60 DEG C MAXIMUM TEMPERATURE; SQ 10MM NOMINAL ENTRY AREA; 20MM THK; TERMINAL: SCREW	EA	80			
0124495	BLOCK, TERMINAL: POTENTIAL: 220 V; CURRENT: 15 A; WIRE SIZE: 2.5 MM; CIRCUIT: 2; WIDTH: 26 MM; LENGTH: 29 MM; 2 WAY; PORCELAIN CONNECTOR; SIZE: 22MM HT; TERMINAL: SCREW	EA	14			
0124496	BOARD, TERMINAL: POTENTIAL: 220 V; CIRCUIT: 3; CURRENT: 15 A; CONNECTORS: SCREW; CERAMIC, DIMENSIONS: 30MM LENGTH X 30MM WIDTH X 2MM HEIGHT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).).	EA	12			
0124734	CONNECTOR, LUG: TYPE: INSULATED RED; CONDUCTOR: 1.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 1R4; MATERIAL: CU TIN PLTD	EA	246			
0124735	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 1.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: COPPER TIN PLATED; REFERENCE NO: HT14; MATERIAL: CU TIN PLTD	EA	72			
0124737	CONNECTOR, LUG: TYPE: INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: PRE INSULATED BLUE; CONDUCTOR CONNECTION: DOUBLE CRIMP; COLOR: BLUE; REFERENCE NO: 2R6; MATERIAL: CU TIN PLTD	EA	216			
0124739	BCONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 10 MM2; HOLE SIZE: M12; TERMINATION END: RING; INSULATION: NO;	EA	24			

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	CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB1010; MATERIAL: CU).					
0124740	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 16 MM2; HOLE SIZE: M8; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; REFERENCE NO: HTB168; MATERIAL: CU	EA	157			
0124742	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 95 MM2; HOLE SIZE: M12; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB9512; MATERIAL: CU	EA	283			
0124746	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB24; MATERIAL: CU	EA	267			
0124747	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; MATERIAL: CU	EA	600			
0124750	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 4 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA	297			
0124752	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 10 MM2; HOLE SIZE: M8; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA	301			
0124753	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 6 MM2; HOLE SIZE: M10; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; MATERIAL: CU	EA	150			
0124754	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 16 MM2; HOLE SIZE: M10; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA	220			
0124757	CONNECTOR, LUG: TYPE: INSULATED YELLOW; CONDUCTOR: 4 MM2; HOLE SIZE: M6; TERMINATION END: SPADE; INSULATION: NYLON/VINYL; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 3S6; SPADE; MATERIAL: AL ALLOY	EA	750			

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0124760	CONNECTOR, LUG: TYPE: INSULATED YELLOW; CONDUCTOR: 4 MM2; HOLE SIZE: M4; TERMINATION END: SPADE; INSULATION: NYLON/VINYL; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 3S5; SPADE; OPENING 5MM; MATERIAL: AL ALLOY	EA	287			
0124762	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: SPADE FEMALE; CONDUCTOR SIZE: 1.5 MM2; MOUNTING TYPE: CRIMP; MATERIAL: AL ALLOY; SUPPL P/N: IDF; FLAG; NYLON INSULATION; COMPRESSION; 6 MM OPENING; RED VINYL PRE-INSULATED; SLIDE-ON: 6.4MM X 0.8MM	EA	435			
0136289	CONDUIT: TYPE: RIGID; SIZE: 20 MM; LENGTH: 4 M; MATERIAL: STEEL; CONNECTION: THD/COUPLING ONE END; 1.5 MM PITCH THREAD, ENAMELED OUTSIDE PROTECTIVE FINISHED	EA	16			
0136410	HOLDER: TYPE: CABLE STRAP; DIMENSIONS: WD 25 X LG 32 X THK 5 MM; MATERIAL: PLASTIC; REFERENCE NO: TY8; BLOCK CABLE CRADLE; WITH ADHESIVE BACKING ON ONE SIDE; TYPE HELLERMANN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	233			
0136566	KIT, CABLE JOINT: CONDUCTOR: CU, 1.5-2.5 MM2; POTENTIAL: 1.1 KV; SPLICE ELECTRICAL, CRIMP SLEEVE INSULATION, 2-4 CORES, TYPE PVC-SWA-PVC	EA	12			
0137297	KIT, CABLE JOINT: CONDUCTOR: CU, 25-50 MM2; POTENTIAL: 1.1 KV; SPLICE ELECTRICAL, CRIMP SLEEVE INSULATION, 2-4 CORES, TYPE PVC-SWA-PVC	EA	8			
0137806	RECEPTACLE, ELECTRICAL: TYPE: WALL SOCKET; POLE: 1; WIRE: 3; POTENTIAL: 250 V; CURRENT: 16 A; DIMENSIONS: SQ 100 MM; SWITCH/Socket COMBINATION; 3 PIN; SINGLE PLUG; COMPLETE WITH COVER PLATES AND SCREWS; COLOUR IVORY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	20			
0138217	RECEPTACLE, ELECTRICAL: TYPE: SOCKET; POLE: 3; WIRE: 3; POTENTIAL: 250 VAC; CURRENT: 16 A; REFERENCE NO: 1350/OR; FITTED IN 120MM X 83MM	EA	768			

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	BOX, COLOUR ORANGE; CONNECTION: SCREW, INDUSTRIAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).					
0145023	LEAD, TEST: LENGTH: 1.2 M; MATERIAL: CU; CONNECTORS: INSULATED MALE BANANA X PROBE POINT; COLOR: BLACK/RED; CONDUCTOR SIZE: 1.2 M; HARD POINT, FOR FLUKE MULTIMETERS TYPE TL75	EA	70			
0217714	PLUG, ELECTRICAL: TYPE: SOLENOID; POLE: 3; POTENTIAL: 250 V; SPECIFICATION: DIN 00-197.4; CURRENT: 10 A	EA	11			
0663162	PLUG, ELECTRICAL: TYPE: SURFACE MOUNTABLE; POLE: 4; WIRE: 4; POTENTIAL: 400 VAC; CLASSIFICATION: IP55; CURRENT: 125 A; COLOR: ORANGE; WELDING SOCKET	EA	2			
0010142	TAPE, ELECTRICAL: WIDTH: 18 MM; LENGTH: 20 M; MATERIAL: VINYL; COLOR: BLACK; PVC; TO SABS 122; 0.18MM THK; ADHESIVE	EA	279			
0010143	TAPE, ELECTRICAL: WIDTH: 18 MM; LENGTH: 20 M; MATERIAL: VINYL; COLOR: BLUE; PVC; TO SABS 122; 0.18MM THK; ADHESIVE	EA	300			
0044201	BUSH: TYPE: INSULATOR; INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 30 MM; LENGTH: 32 MM; MATERIAL: PLASTIC; APPLICATION: COUPLING; STANDARD: ISO 9001; MODEL NO: ZES-3J; REFERENCE NO: 119-023-060-932; 707-2719-01	EA	11			
0054004	INSULATOR: TYPE: SPOOL; DIMENSIONS: DIA 8 X LG 75 MM; MATERIAL: CERAMIC; DRAWING NO: 1878 REV 1; REFERENCE NO: 18; G/AIR, OIL BURNER	EA	24			
0135299	INSULATOR: TYPE: BUS; DIMENSIONS: ID 50 X OD 160 X LG 250 MM; MATERIAL: ACRYLIC; SUPPL P/N: G30423; MAIN BUSBAR, FLANGE SIZE 280 MM	EA	11			
0135300	INSULATOR: TYPE: BUS; DIMENSIONS: ID 50 X OD 160 X LG 250 MM; MATERIAL: ACRYLIC; REFERENCE NO: G30423; UNIT TRANSFORMER B/B, FLANGE SIZE 220 MM	EA	11			
0136245	BUSHING, ELECTRICAL CONDUCTOR: REFERENCE NO: 58MVA; KV UNIT TRANSFORMER	EA	4			

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0136247	BUSHING, ELECTRICAL CONDUCTOR: TYPE: HIGH VOLTAGE; REFERENCE NO: PR2761-4179A; UNIT, TRANSFORMER, VOLTAGE 35MVA	EA	3			
0590285	INSULATOR: TYPE: GEN TERM BUSH; DIMENSIONS: OD 210 X HT 230 MM; MATERIAL: EPGM; POTENTIAL: 66 KV; CURRENT RATING: 19.8 KA; OEM P/N: FBSE100385R0002, OEM: GE STEAM POWER SERVICE; FBSE100385R0001, OEM: GE STEAM POWER SERVICE; INSULATORS OF FIBRE GLASS MATERIAL USED IN T262-610 GENERATORS; TO BE PACKAGED FOR LONG TERM STORAGE	EA	6			
0666287	INSULATOR: TYPE: FLEXIBLE SLEEVE; DIMENSIONS: WD 80 X LG 170 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; CURRENT RATING: 20 KA; OEM P/N: D38210410P20; B; 1, OEM: GE STEAM POWER SERVICE	EA	6			
0666288	INSULATOR: TYPE: TEFLON CONNECTION; DIMENSIONS: WD 80 X LG 170 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; OEM P/N: D38210412P20, OEM: GE STEAM POWER SERVICE; DRAWING NO: 69 001069 BB	EA	6			
0666289	INSULATOR: TYPE: TEFLON CONNECTION; DIMENSIONS: 170 X 80 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; OEM P/N: D38210411P20; B; 1, OEM: GE STEAM POWER SERVICE	EA	6			
0666291	INSULATOR: TYPE: TEFLON HOSE CONNECTION; DIMENSIONS: 170 X 80 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; CURRENT RATING: 20 KA; OEM P/N: D38210409P20, OEM: GE STEAM POWER SERVICE; DRAWING NO: 69 001069 BA	EA	6			
0666295	COVER: TYPE: BAR TO BAR INSULATING HOODS; DIMENSIONS: LG 300 X HT 250 MM; MATERIAL: GLASS FIBER; COLOR: DARK GREY; APPLICATION: GENERATOR STATOR; OEM P/N: D38353254000/0; F; 1; DRAWING NO: 69001069 H REV 0	EA	2			
0724308	BLOCK: TYPE: INSULATION; WIDTH: 125 MM; LENGTH: 240 MM; HEIGHT: 80 MM; MATERIAL: FIBER GLASS; SUPPL P/N: FBSE401854	EA	2			
0004837	PROTECTOR, OVERLOAD: CURRENT: 2.5-4 A; TRIP RANGE: 2.5-4 A; POLE: 3; POTENTIAL: 380 V; TYPE: THERMAL MAGNETIC; SUPPL P/N: 3VU1300-1MJ00; 100 KA INTERRUPT CAPACITY	EA	12			

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0004874	BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 3 KA; SUPPL P/N: SAG3	EA	11			
0117251	HOLDER, FUSE: POTENTIAL: 600 VAC; CURRENT: 20 A; FUSE SIZE: DIA 17 X LG 55 MM; FUSE STYLE: BLADE; MOUNT: PANEL; REFERENCE NO: NS-H; COMPLETE	EA	12			
0117294	FUSE, CARTRIDGE: CURRENT: 5 A; POTENTIAL: 250 V; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS	EA	28			
0117969	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 660 VAC; CONNECTION TYPE: OFFSET SCREW CLAMP TAG; DIMENSIONS: DIA 20 X LG 78 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: ET32A; INDUSTRIAL	EA	25			
0118303	FUSE, CARTRIDGE: CURRENT: 250 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; SUPPL P/N: 5 X 20	EA	736			
0118437	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: 412-403	EA	47			
0118468	HOLDER, FUSE: POTENTIAL: 660 VAC; CURRENT: 20 A; FUSE SIZE: DIA 22 X LG 49 MM; FUSE STYLE: CARTRIDGE CERAMIC; MOUNT: PANEL; SUPPL P/N: RS20P; TYPE GEC; 2 CLAMPS; BAKELITE BODY; COLOUR BLACK	EA	5			
0119205	HOLDER, FUSE: POTENTIAL: 660 V; CURRENT: 63 A; FUSE SIZE: DIA 22 X LG 95 MM; FUSE STYLE: SCREW CLAMP; MOUNT: PANEL; SUPPL P/N: SM63H; TYPE GEC	EA	12			
0119251	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; CURRENT: 5 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1-G3	EA	11			
0119252	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 10 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: QA-1 10A	EA	11			
0119279	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 40 A; POLE: 3; TYPE:	EA	5			

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	HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: CF3G3; HEINEMANN					
0119280	EARTH LEAKAGE: CURRENT: 60 A; POTENTIAL: 240 VAC; POLE: 2; LEAKAGE CURRENT: 30 MA; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA15A (NEW); SA12A; WITH NEUTRAL SWITCH	EA	9			
0119292	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 15 A; POLE: 1; FRAME: S; TYPE: HYDRAULIC MAGNETIC CURVE 2; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1-G3; HEINEMANN, TIME DELAY, COMPLETE WITH THERMO PLASTIC SHROUDS, SCREWS AND CLIP TRAY	EA	15			
0119298	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 40 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: CD1-C3; SAMITE	EA	11			
0119445	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 16 A; POLE: 3; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; REFERENCE NO: 5SX2316/7; 5SL4-316	EA	11			
0119462	BREAKER, CIRCUIT: POTENTIAL: 660 V; CURRENT: 100 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 25 KA; REFERENCE NO: C125N; MERLIN GERIN	EA	11			
0119525	SWITCH, DISCONNECT: POTENTIAL: 660 V; CURRENT: 25 A; SUPPL P/N: P1-25; SWITCHGEAR	EA	11			
0119542	EARTH LEAKAGE: TYPE: DOMESTIC/INDUSTRIAL; CURRENT: 63 A; POTENTIAL: 230 V; POLE: 2; INTERRUPT CAPACITY: 2.5 KA	EA	11			
0119543	PROTECTOR, OVERLOAD: CURRENT: 6 A; POLE: 3; POTENTIAL: 220-415 V; TYPE: MINIATURE THERMAL MAGNETIC; SUPPL P/N: 3RV1021-OEA10; 7.5KA INTERRUPT CAPACITY, FFT: SIEMENS NT TYPE	EA		2		
0119544	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 32 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: 35L; LEGRAND	EA	11			
0119545	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 15 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45M11LT19	EA	18			

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0119553	BREAKER, CIRCUIT: POTENTIAL: 220-380 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; KLOCKNER MOELER, FAZL	EA	11			
0119572	BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 45 A; POLE: 3; TYPE: MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: QF3(19); REFERENCE NO: SF3G3-45A	EA	11			
0119702	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 20 A; POLE: 1; SPECIFICATION: SABS 156; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: C45120; MULTI 9, C60	EA	40			
0119715	EARTH LEAKAGE: CURRENT: 40 A; POTENTIAL: 250 V; POLE: 1; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: VIGI C45; MULTI 9	EA	35			
0119726	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; 60 VDC; CURRENT: 0.4 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: C30327-Z61-A12	EA	11			
0119778	BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 45 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: QC1045	EA	2			
0119834	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 3600-P10SI-5A; 7 PIN CONTACTS	EA	11			
0119853	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 16 A; POLE: 1; TYPE: THERMAL MAGNETIC CURVE G; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45115; MULTI 9, DINFIX	EA	486			
0119863	BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 80 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G3; COMPLETE WITH THERMO PLASTIC SHROUD SCREWS AND CLIP TRAY	EA	11			
0120207	SWITCH, DISCONNECT: TYPE: ISOLATOR; POTENTIAL: 250 V; CURRENT: 15 A; ACTION: SPST; OPERATED: LEVER; MOUNT: WALL; FLUSH; 1W; 1 WAY; WITH COVER AND SCREWS	EA	11			
0120973	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 63 A; POLE: 3; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: 21155; MULTI 9,	EA	19			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	PROTECTION AGAINST OVERLOAD AND SHORT CIRCUIT					
0125666	RELAY, OVERLOAD: TRIP RANGE: 2.5-4 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTOMATIC/MANUAL; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; SUPPL P/N: LRD08-034678; REFERENCE NO: LR1-D09308A65; 3 POLE, STANDARD POWER RATING AT 380VOLT, 1.5KW; UNIVERSAL CONTACT	EA	2			
0127022	RELAY, OVERLOAD: TRIP RANGE: 48-65 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 65 A; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; CONTACT MATERIAL: SILVER PLTD; SUPPL P/N: LRD3359; 3 POLE RATED; VOLTAGE 660VAC; OVERALL DIMENSIONS WD 64 X HT 115 X LG 73MM	EA	4			
0127029	RELAY, OVERLOAD: TRIP RANGE: 4-6.3 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTOMATIC/MANUAL; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; CONTACT MATERIAL: SILVER PLTD; REFERENCE NO: 3AU5000-1G; DELAYED, AUXILLIARY CONTACT, SWITCHING POSITION INDICATION, TERMINAL FOR CONTACTOR COIL, PHASE FAILURE PROTECTION	EA	2			
0137978	KIT, CONTACT: TYPE: MAIN; SUPPL P/N: 3TY6 540-0A	EA	6			
0138432	KIT, CONTACT: TYPE: MAIN; SUPPL P/N: 3TY6 480-0A	EA	6			
0158097	CONTACTOR: TYPE: REVERSE; COIL VOLTAGE: 380 VAC; SUPPL P/N: 6DT1027-OAK00; 50HZ; 5.5KW; 8643; FABRICATION NUMBER:- A3106574; FOR ANALOG CONTACTOR DRIVE ON VALVES, TELEPERM POWER CONTROL UNITS	EA	2			
0178610	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2.5 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; SUPPL P/N: 3WE8385	EA	3			
0178611	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2.5 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; REFERENCE NO: 3WE8381	EA	3			
0178612	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2 KA; POLE: 3; TYPE: AIR;	EA	2			

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	INTERRUPT CAPACITY: 80 KA; REFERENCE NO: 3WE7385					
0178613	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 1.6 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; SUPPL P/N: 3WE6385	EA	2			
0223448	PROTECTOR, OVERLOAD: CURRENT: 63 A; TRIP RANGE: 45-63 A; POLE: 3; POTENTIAL: 380 V; TYPE: MOTOR PROTECTION; SUPPL P/N: 3RV1041- 4JA10; SIEMENS, INTERRUPT CAPACITY 50KA	EA	2			
0223827	RELAY: TYPE: MINIATURE; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 48/240 VAC; TERMINAL: 5 PIN PLUG IN; MOUNT: PLUG IN; ENCLOSURE RATING: IP65; CONTACT MATERIAL: SILVER/TIN OXIDE; SUPPL P/N: 2961105; PHOENIX CONTACT, WITH POWER CONTACT, AMBIENT TEMPERATURE RANGE -40 DEG C TO 85 DEG C, DIMENSIONS 28 MM LG X 15 MM HT X 5 MM WIDE	EA	15			
0618958	FUSE: TYPE: KNIFE; CURRENT: 125 A; POTENTIAL: 690 V; CONNECTION: BLADE; DIMENSIONS: WD 29 X LG 78 MM; REFERENCE NO: NH00; 120KA IEC 60269-2	EA	21			
0664607	PANEL: TYPE: LOW VOLTAGE SWITCHGEAR; DIMENSIONS: DIA 960 MM X WD 2.304 M X HT 2.016 M; MATERIAL: 2 MM SS 3CR12; SPECIFICATION: SANS 1973-1:2007; 630A; 400VAC	EA	2			
0778383	RELAY: TYPE: OVERLOAD; COIL VOLTAGE: 400 VAC; CONTACT ARRANGEMENT: 1NC AND 1NO; CONTACT RATING: 400 +- 20%; ACTION: 3 PHASE; TERMINAL: 3 PHASE; MOUNT: ON RAIL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: COPPER; SPECIFICATION: ADJUSTABLE 0,25-5 HVS; TEO3 PHASE ANGLE/PUMP PROTECTION RELAY. TRIP LEVEL; PLUS MINUS 10 PERCENT 1 SECOND DELAY. CURRENT TRIP; PMUS MINUS 20 PERCENT 1 SECOND DELAY. POWER CONSUMPTION 3VA.	EA	6			
0015030	LAMP, FLUORESCENT: POWER: 75 W; POTENTIAL: 250 V; BASE: 1 PIN; COLOR: WHITE COOL; LENGTH: 2.44 M; BULB: FA8; SUPPL P/N: S96T12-33-75W; REFERENCE NO: FA8	EA	66			
0015031	LAMP, FLUORESCENT: TYPE: ENERGY SAVER; POWER: 65 W; POTENTIAL: 230	EA	22			

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	VAC; BASE: MEDIUM BI PIN; COLOR: WHITE COOL; LENGTH: 1.52 M; BULB: T12; RAPID START; BALLAST REQUIRED FOR OPERATION					
0015035	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 230-250 VAC; POWER: 400 W; BASE: E40 GOLIATH EDISON SCREW; COLOR: WHITE; SUPPL P/N: MBF-U400W; ELLIPICAL, SIZE 286 MM LONG X 122 MM DIA, BURNING POSITION: UNIVERSAL	EA	422			
0015040	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 230-250 VAC; POWER: 125 W; BASE: E27; COLOR: FROSTED INSIDE; SUPPL P/N: HPL-N125W; ELIPTICAL; UNIVERSAL BURNING POSITION	EA	826			
0110426	CLAMP: TYPE: LIGHT FITTING; DIMENSIONS: 5 MM; MATERIAL: STL; SPRING TOGGELS	EA	299			
0145680	FIXTURE, FLUORESCENT LIGHTING: POTENTIAL: 230 VAC; POWER: 40 W; LENGTH: 1.27 M; LAMP: 2; PIN TYPE: LH/RH; MOUNT: CEILING; SUPPL P/N: SL240	EA	33			
0145719	LENS: TYPE: FLUORESCENT LIGHT; DIMENSIONS: WD 285 MM X LG 1.28 M X THK 90 MM; MATERIAL: AL/PC; REFERENCE NO: 14BA; SL SOFT-LINE	EA	11			
0145742	REFLECTOR, LIGHTING: SHAPE: SQ; MATERIAL: AL POLISHED; POWER: 40 W; REFERENCE NO: S2RC-340-SES-126; BODY, SIZE 600MM WD X 1200MM LG X 125MM DP	EA	11			
0145745	FIXTURE, FLUORESCENT LIGHTING: POTENTIAL: 220 V; POWER: 58 W; LENGTH: 1.51 M; LAMP: 1; MOUNT: CEILING; REFERENCE NO: SHS-15-ES; BATTEN LUMINAIRES AS PER SHEDULE C1 ITEM 3	EA	11			
0146048	LIGHT, EXTENSION: TYPE: TROUBLE, INCANDESCENT; POTENTIAL: 220-250 VAC; POWER: 60-100 W; REFERENCE NO: SL2; MEDIUM SCREW BASE, WITH WIRE GUARD, RUBBER INSULATED HANDLE, WITHOUT CORD LENGTH	EA	12			
0146132	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 230-250 VAC; POWER: 220 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: NHT220LX; TUBULAR; UNIVERSAL BURNING POSITION; 252MM LONG; WITHOUT IGNITOR; EYE BRAND ONLY	EA	29			
0146133	LAMP, HIGH INTENSITY DISCHARGE:	EA	289			

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	TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 250 V; POWER: 360 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: NHT360LX; TUBULAR; 280MM LONG; UNIVERSAL BURNING POSITION; WITHOUT IGNITOR; EYE BRAND ONLY					
0146370	LAMP, FLUORESCENT: POWER: 40 W; POTENTIAL: 230 VAC; BASE: 1 PIN; COLOR: WHITE COOL; LENGTH: 1.2 M; SUPPL P/N: TLX40W/33	EA	400			
0146385	LAMP, INCANDESCENT: TYPE: SWITCHBOARD; POTENTIAL: 48 V; BASE: BA9S; COLOR: CLEAR; REFERENCE NO: CLT9X24; 60MA, T9X24, SIZES 24X9, CONTACT MINIATURE BAYONET	EA	243			
0146640	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 160 VAC; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET	EA	24			
0146697	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220 V; POWER: 220 W; BASE: E40; COLOR: WHITE; USED IN CONJUNCTION WITH BALLAST; NOTE! ITEM MUST BE PROTECTIVE PACKED	EA	325			
0147145	BALLAST, LAMP: TYPE: FLUOR; POTENTIAL: 230 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 0.25 MA; POWER: 40 W; BALLAST STYLE: RAPID START; CAT NO: SR40H; PARMAR GOLD, SEAL SEMI RESONANT START, TYPE B.2.1, TEMP RISE DT-40 DEG C; STYLE HIGH POWER FACTOR	EA	112			
0147175	BALLAST, LAMP: TYPE: SODIUM VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; POWER: 70 W; BALLAST STYLE: LOW POWER FACTOR; SUPPL P/N: HS70; HS75XA; RS, 50 HERTZ	EA	18			
0147191	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 V; LAMP ACCOMMODATION QUANTITY: 1; POWER: 250 W; BALLAST STYLE: RAPID START; REFERENCE NO: M250H; PARMAR GOLD SEAL, FOR ONE TYPE M4	EA	17			
0147192	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 V; POWER: 400 W; BALLAST STYLE: RAPID START; SUPPL P/N: M400-H; PARMAR CHOKE FOR ONE M5 TYPE MERCURY VAPOUR LAMP, FOR 0.85 PF USE 20 MICROPHERANT CAPASITOR, STYLE ENCASED AND POTTED	EA	162			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

0147222	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 VAC; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1.15 A; POWER: 125 W; BALLAST STYLE: RAPID START; LENGTH: 173 MM; HEIGHT: 47 MM; WIDTH: 64 MM; SUPPL P/N: M125A; STYLE CONSTANT WATTAGE, 3 WIRE LEAD TYPE	EA	40			
0147363	HOLDER, LAMP: MATERIAL: PLASTIC; REFERENCE NO: ZB2-BV7; C/W SCREW AND CAPTIVE CABLE CLAMP; SUPPLY DIRECT THROUGH RESISTOR; PANEL MOUNT; SIZE: 32MM WD X 34MM LG	EA	11			
0211160	BALLAST, LAMP: TYPE: FLUORESCENT; POTENTIAL: 198-264 VAC; LAMP ACCOMMODATION QUANTITY: 2; CURRENT: 0.49 MA; POWER: 58 W; LAMP STYLE: TUBE; BALLAST STYLE: ELECTRONIC; SUPPL P/N: QTP2X58/230-240; GEAR, QUICK TRONIC PROFESSIONAL ELECTRONIC TYPE, FOR LIN58W/21 LUMILUX PLUS 5 FOOT TUBES	EA	12			
0211265	BALLAST, LAMP: TYPE: FLUORESCENT; POTENTIAL: 240 VAC; CURRENT: 0.25 MA; POWER: 50 W; BALLAST STYLE: ELECTRONIC; SUPPL P/N: TLD58W	EA	12			
0211369	STARTER, LAMP: LAMP STYLE: FLUORESCENT; POTENTIAL: 220-240 VAC; POWER: 4-65 W	EA	11			
0247165	BALLAST, LAMP: POTENTIAL: 220-240 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1.15 A; POWER: 125 W; LAMP STYLE: METAL HALIDE; BALLAST STYLE: MERCURY CONTROL GESR; LENGTH: 153 MM; HEIGHT: 46 MM; SUPPL P/N: MG128B22245; REFERENCE NO: HIE/C/HBU/4K	EA	84			
0568757	LAMP, FLUORESCENT: TYPE: METAL HALIDE; POWER: 150 W; POTENTIAL: 230 V; BASE: E27; COLOR: CLEAR; LENGTH: 141 MM; BULB: B40; SPECIFICATION: HQI-150/NDL; OPEN AND ENCLOSED LUMINAIRE; BULK HEAD	EA	1500			
0568760	LAMP, FLUORESCENT: TYPE: COMPACT ENERGY SAVER; POWER: 28 W; POTENTIAL: 230 V; BASE: G5; COLOR: WHITE COOL; LENGTH: 1.149 M; BULB: M95; REFERENCE NO: HE 28W/840	EA	1803			
0568793	LAMP, FLUORESCENT: TYPE: COMPACT ENERGY SAVER; POWER: 28 W; POTENTIAL: 230 V; BASE: G5; COLOR: WHITE COOL DAYLIGHT; LENGTH: 1.149 M; BULB: T5; REFERENCE NO: HE	EA	484			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	28W/865					
0576672	BALLAST, LAMP: TYPE: HPS VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1 A; POWER: 70 W; BALLAST STYLE: MAGNETIC; LENGTH: 113 MM; HEIGHT: 51 MM; MOUNT: BOLTED; WIDTH: 65 MM; REFERENCE NO: NAHJ 70.128	EA	1000			
0576673	BALLAST, LAMP: TYPE: HPS VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1 A; POWER: 100 W; BALLAST STYLE: MAGNETIC; LENGTH: 113 MM; HEIGHT: 47 MM; MOUNT: BOLTED; WIDTH: 65 MM; REFERENCE NO: OMBIS 35-150W OM PRO	EA	887			
0698978	FIXTURE, QUARTZ LIGHTING: DIMENSIONS: WD 200 X LG 480 X HT 70 MM; POTENTIAL: 198-264 V; POWER: 40 W; CLASSIFICATION: BULKHEAD; LIFETIME RESIDUAL FLUX: 90 PERCENT AT 50000 HOURS PER 70 PERCENT AT 100000 HOURS; BODY: HIGH PURITY DIE CAST ALUMINIUM; IMPACT RESISTANCE GLASS OR POLYCARBONATE PROTECTOR: GLASS IK08 POLYCARBONATE IK09/10; LED CHIPS: NICHIA; INGRESS PROTECTION OPTICAL COMPONENT: IP66; INGRESS PROTECTION DRIVER: IP66; COLOUR TEMPERATURE: 4000K; COLOUR RENDERING INDEX: RA70; ELECTRIC GLASS: CLASS 1; OPERATING TEMPERATURE: MINUS 30 TO 50 DEGREES CEL; FEATURES: SURGE PROTECTION: 20KV/20KA; HOUSING AND FRAMING: EN AC-443000 MARINE GRADE ALUMINIUM; HIGH PERFORMANCE DESIGN EFFICACY UP TO 150LM PER W; MULTIPLE INSTALLATION OPTIONS; L70 GREATER THAN 50000 HOURS; SUPERIOR UNIFORMITY; STAINLESS STEEL SCREW	EA	8854			
0760775	LIGHT: TYPE: LED; POWER: 170 W; POTENTIAL: 230 VAC; FIXTURE QRTZ LGTG: 198-264V; 800A	EA	100			
0765796	LIGHT: TYPE: BULKHEAD ZONE 2; POWER: 40 W; POTENTIAL: 220 VAC; EX FOR COAL DUST ENVIRONMENT; ALUMINIUM BODY; 160 LUMES/	EA	50			
0119451	LEVER, SWITCH: SIZE: LG 300 MM; MATERIAL: PLASTIC; SUPPL P/N: 8UC6313-1BB30; LOCKABLE HANDLE MECHANISM, 10 MM SQUARE SHAFT, FOR USE WITH 3KL55250A ISOLATOR;	EA	3			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).					
0120194	SWITCH, LIMIT: ACTION: SPDT; ACTUATOR: ROLLER PLUNGER; CONTACT ARRANGEMENT: NC NO; ENCLOSURE: IP66; SUPPL P/N: 8336; TELEMACHINIQUE XCKJ 167 H29; TOP ACTUATED, FOR USE ON HV CIRCUIT BREAKER; DIMENSIONS: WD 40 X LG 70 MILLIMETER; POTENTIAL: 24 VOLT; CURRENT: 10 AMPERE	EA	1			
0120644	SWITCH, SELECTOR: OPERATED: LEVER; POSITION: 4; POTENTIAL: 660 VAC; ACTION: 10P4T; APPLICATION: AMMETER; SUPPL P/N: B11-AO38-621-EG; CURRENT: 20 AMPERE	EA	11			
0120864	SWITCH, JOYSTICK: SUPPL P/N: XKBZ981; REFERENCE NO: 63450-8527	EA	4			
0121945	SWITCH, PUSHBUTTON: COLOR: BLACK; ELECTRICAL RATING: 660 V 10 A; ACTION: SPST; CONTACT ARRANGEMENT: 1NO; MOUNT: PANEL; REFERENCE NO: 3SB1400-0B; SIEMENS; FRONT PLATE MOUNTING; MOUNTING DIMENSIONS: WD 22 X LG 30 X DP 60; WITHOUT HOLDER; UNIT PROGRAMED FOR ALL APPLICATIONS	EA	11			
0123696	SWITCH, SELECTOR: OPERATED: KNOB; POSITION: 2; POTENTIAL: 380 VAC; CONTACT CONFIGURATION: OFF/ON; CONTACT ARRANGEMENT: 1NO 1NC; ACTION: DPST; APPLICATION: GENERAL; SUPPL P/N: C11; 2 POLE, CODE NO A291-621, FUNCTION AND CONFIGURATION, WITH 90DEG RIGHT-HAND SWITCHING AND STEEL SHAFT; DIMENSIONS: SQ 64 MILLIMETER; CURRENT: 10 AMPERE	EA	11			
0134267	SWITCH, PUSHBUTTON: HEAD STYLE: FLAT RD BUTTON; COLOR: GRAY; ELECTRICAL RATING: 48 VDC; ACTION: 4PDT; CONTACT ARRANGEMENT: 4NO; MOUNT: PANEL; RELEASE KEY FOR CONTROL SYSTEMS IN GENERAL; TYPE SIEMENS; 2 DESIGNATION STRIPS FOR 1 LINE; WITH POTENTIAL INDIVIDUAL LINES; 2 GREEN LAMPS; TOP PLATE	EA	2			
0500088	SWITCH, SELECTOR: OPERATED: HAND; POTENTIAL: 380 V; CONTACT CONFIGURATION: OFF/B/R/W; APPLICATION: 11 KV INCOMER BRD; CONTACT 6, 10 AND 14 BRIDGED;	EA	11			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	CONTACT 16 AND 20 BRIDGED; 3, 7 AND 10 BRIDGED, 2.5 WIRE, C11, 3 PHASE 4 THROWS, HORIZONTAL, 1-20 CONTACTS; DIMENSIONS: WD 40 X LG 600 MILLIMETER; CURRENT: 20 AMPERE					
0684716	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 5-7 MM; POTENTIAL: 10-30 VDC; ACTION: PNP; CONTACT ARRANGEMENT: 1NO; CONNECTION: 3 WIRE; APPLICATION: WATER TREATMENT PLANT; SUPPL P/N: SB3.5-E2; CURRENT: 100 MILLIAMPERE	EA	11			
0698963	PUSH BUTTON: TYPE: EMERGENCY STOP; SUPPL P/N: XALK178F; COMPLETE CONTROL STATION; ONE RED MUSHROOM HEAD PUSHBUTTON TURN TO RELEASE 2NC; KNOCK OUT FOR M20 CABLE GLAND 68 X 68; IP67 ENCLOSURE	EA	15			
0121663	MODULE: TYPE: AMPLIFIER SWITCH; POWER SOURCE: 220 VAC; SUPPL P/N: 103373; PEPPER AND FUCHS AMPLIFIER SWITCH TYPE KFA6-SR2-EX2.W	EA	25			
0129147	TRANSFORMER, CURRENT: POTENTIAL: 4-16000 V; TYPE: INSTRUMENT; REFERENCE NO: 34017IL4-16; CURRENT RATING 1/2500/2500/1:2000/1/1/2000, LOCATION OUTDOOR, RPC 2500A, CLASS: X, KPV 300 LEXA 0.1 RS 60HM, CORE 2: RATIO 2500 /L VA 10 CLASS 10P10 RS 15 OHM, CORE 3: RATIO 2500/1 VA5 CLASS 1	EA	11			
0130671	TRANSFORMER, CURRENT: POTENTIAL: 12-28 KV; TYPE: INSTRUMENT; CURRENT RATING 1:2000, LOCATION OUTDOOR, 12/28KV 2000/1 32KA CL X	EA	11			
0130685	TRANSFORMER, DISTRIBUTION: APPARENT POWER: 400 VA; POTENTIAL: 11000-110/220 V; STANDARD: BS 3941; SUPPL P/N: V18A7DNO-43Z; CL1/ 50VA CL1, 50HZ, CLASS 1, FUSES PRIMARY 12000V 1A, SECONDARY 4A-25A, FOR USE ON SIEMENS 11KV BOARDS; TYPE: VOLTAGE	EA	2			
0130686	TRANSFORMER, POTENTIAL: TYPE: INSTRUMENT; SPECIFICATION: BS 3941; REFERENCE NO: 18A7DN0437/809/10; VOLTAGE RATING 3300-220/110V, LOCATION OUTDOOR, RATIO 3300/220/110, IL 3.6/13/45KV, 50HZ, VA/CL/ALF 400VA CL1/50VACL1, VF/SEC 1.2, RS 6.7 KVA 20S20M	EA	2			
0130938	THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 125 A; INDUSTRY STANDARD: SKKT15-	EA	11			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	12D; POTENTIAL: 1.2 KV; FOR STATION BATTERY CHARGER D1-D6-24V, 15 AM					
0130999	THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; INDUSTRY STANDARD: 5STP07D1200; REFERENCE NO: 5STP07D1200; CS400/12IO23-232947; CS400N1220; CASE 2 IN GROOVED, MOUNTING FORCE IN N MIN-10000/MAX-12000, PHD T801A SERIES ALSO ACCEPTABLE	EA	33			
0138048	POWER SUPPLY: INPUT: 220 VAC 50 HZ; OUTPUT VOLTAGE: -12 VDC; OUTPUT CURRENT: 20 MA; SUPPL P/N: C01.54.44; 6AJ7204-3AA80; REFERENCE NO: 6AJ7204-3AA80	EA	2			
0138462	BOARD: TYPE: VERO; WIDTH: 100 MM; LENGTH: 300 MM; THICKNESS: 2 MM; MATERIAL: GLASS FIBER CU CLAD; REFERENCE NO: 27-0022; WITH HOLE MATRIX SIZE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	11			
0144421	POWER SUPPLY: INPUT: 220 VAC 1 PH 50 HZ; OUTPUT VOLTAGE: 32 VDC; OUTPUT CURRENT: 6 A; DRAWING NO: CREDFELD 4225 REV 1; REFERENCE NO: 4225; AUXILLIARY UNITS; USED ON BURNER MANAGEMENT PANELS ON THE FUEL OIL BURNERS.	EA	6			
0148092	POWER SUPPLY: OUTPUT VOLTAGE: 18-33 VDC; REFERENCE NO: 8501714; FTZ 1064	EA	2			
0148982	INVERTER: TYPE: DIP PROOFING; POWER: 4 KVA; OUTPUT RATING: 230 VAC 18 A 50 HZ; FOR ESKOM UPGRADE; OUTPUT VOLTAGE: 220VAC; WAVE SHAPED; STEPPED SQUARE	EA	2			
0154311	POWER SUPPLY: INPUT: 18-33 VDC 280/220/170 MA 1 PH; OUTPUT VOLTAGE: 64 VDC; OUTPUT CURRENT: 1.3-1.2-0.9 A; MODEL NO: FTZ1064	EA	2			
0179286	TRANSFORMER, DISTRIBUTION: TYPE: ONAN; APPARENT POWER: 3150 KVA; POTENTIAL: 11-3.3 KV; VECTOR GROUP: DYN11; POWER	EA	2			
0182406	MINI SUBSTATION: TYPE: 315KVA 11KV/420V B CB INLD; VOLTAGE: 420 V; OPERATING RANGE: 11 KV; POWER: 315 KVA; PHASE: 3PH; SPECIAL FEATURES: TAP SWITCH +/- 5%; LV PANEL SUITABLE FOR FITTING OF LARGE FRAME MCCB'S (SEE D-DT-3034); DRAWING NO: DDT 8050; FITTED WITH TRANSFORMER AND	EA	2			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	RMU; INLAND APPLICATION; TYPE B; TEST/CERT, IDENTIFICATION AND SPECIFICATION REQUIREMENTS: CORROSION SPEC: DSP 34-1658; STANDARD SPEC: NRS 004, SANS 1029; ESKOM SPEC: DSP 34-1621; IDENTIFICATION: INDELIBLE MNFRS. TRADEMARK AND PART NO. ON ALL ITEMS					
0212791	DRIVE, VARIABLE SPEED: INPUT RPM: 2980 RPM; POWER: 45 KW; POWER SOURCE: 380 V; MANUF P/N: FC 300; IP 66; FOR SO3 PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	3			
0215577	DRIVE, VARIABLE SPEED: POWER: 0.37; POWER SOURCE: 380 VAC; SUPPL P/N: VLTFCD303-175N1717; REFERENCE NO: P66-EX-RI-DO-T52-F10; FOR SRO PLANT AND AMONIA PUMPS OUTPUT CURRENT 1.4A, 0.2-132 HZ, 0-1000 HZ (PROGRAMMABLE); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	2			
0220634	MODULE: TYPE: PROCESSOR; POWER SOURCE: 24 VDC; SUPPL P/N: 6GK7342- 5DA02-0XEO; CP342; SIEMENS ONLY, PROFIBUS INPUT	EA	3			
0223449	CIRCUIT: TYPE: PHASECON; FUNCTION: THYRISTOR FIRING; SUPPL P/N: P6650; SIZE 175MM WD X 260MM LG	EA	2			
0224272	TRANSFORMER, INSTRUMENT: TYPE: MULTI STG; CURRENT: 3 A; POTENTIAL: 11000-220-110 V; SUPPL P/N: V18ATK; REFERENCE NO: 0616/2A; VOLTAGE RATING 11000-220-110V, LV CONNECTIONS: A1:A:B1:C:N:C1, A:B:C:N:110V 3PH LIN, A1:B1:C1: N 220V 3PH LIN, HV FUSES AND CONNECTIONS: POSITION ABC, VTF 11KV 3A FUSE TYPE AND RATING, 3 SHUNT TRANSFORMER TO BS 7729, IL:12/28/95 KV 50HZ, CT STC 2B KV VTVF/S 1.2, PRIMARY ABC 11000 VOLT	EA	2			
0570082	BREATHING: TYPE: SILICA GEL, UNIT; MATERIAL: POLYPROPYLENE; DIMENSIONS: DIA 80 X LG 165 MM; CONNECTION: FNPT 1/4 IN; MANUF P/N: 1011388; CAPACITY: 155 CUBIC CM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT	EA	5			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	DRAWING REVISION NUMBER (IF APPLICABLE).					
0574075	TRANSFORMER: TYPE: OIL IMMERSION; CURRENT: 295-2362 A; POTENTIAL: 88-11 KV; PHASE: 3; APPARENT POWER: 45 MVA; REFERENCE NO: K-7372	EA	2			
0588695	TRANSFORMER, DISTRIBUTION: APPARENT POWER: 700 MVA; POTENTIAL: 20-300 KVAC; VECTOR GROUP: PRIM STAR; NEUTRAL; SEC DELTA; PHASE: 3; STYLE: YND1; COOLING TYPE: OIL; REFERENCE NO: 221169; FOR MAIN GENERATOR; 15 TAP POSITIONS; INSULATED	EA	2			
0618946	TRANSFORMER: TYPE: HIGH FREQUENCY; CURRENT: 196 A/1700 MA; POTENTIAL: 400 V/70 KV; OEM P/N: SIR4-S1-1-4	EA	2			
0623978	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: SYNCHRONOUS; OUTPUT RATING: 11 KW; POTENTIAL: 380-480 V; PHASE: 3; CURRENT: 27.7 A; MANUF P/N: ATV71HD11N4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	2			
0659423	CIRCUIT: TYPE: ELECTRONIC CHIP; FUNCTION: ISOLATED SWITCHING; SUPPL P/N: 6-0221	EA	11			
0659454	CIRCUIT: TYPE: DETECTOR ELECTRONIC CHIP; FUNCTION: ELECTRONIC COMMUNICATION; SUPPL P/N: 6-0138	EA	11			
0659514	CIRCUIT: TYPE: ULTRASONIC; FUNCTION: AIR FLOW VELOCITY; SUPPL P/N: D-FL 220 MK	EA	2			
0686410	STARTER, AUTOMOTIVE: TYPE: PINION SHIFT; ENGINE: DIESEL S16N PTA; POTENTIAL: 24 V; MODEL NO: 03306020510; NO OF PINION TEETH OR NO OF RING GEAR TEETH 15; 19	EA	6			
0694920	TRANSFORMER, DISTRIBUTION: TYPE: CAST RESIN; APPARENT POWER: 315 KVA; POTENTIAL: 3.3/0.4 KV; VECTOR GROUP: YYN0; PHASE: 3; INCLOSURE TYPE: IP00; COOLING TYPE: AN; STANDARD: IEC 600076-11; ENVIRONMENTAL CLASS: E2; CLIMATIC CLASS: C2; FIRE BEHAVIOR CLASS: F1; MAXIMUM AMBIENT TEMPERATURE: 45 DEG C; TEMPERATURE RISE HV AND LV: 95 K; INSULATION CLASS HV AND LV: F; WINDING MATERIAL: TO BE SUPPLIED BY THE MANUFACTURER; FREQUENCY:	EA	2			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	50HZ; DUTY CYCLE: CONTINUOUS: TAP POSITIONS: HV TERMINAL SIDE; AMOUNT TAPS: 5; TAPPING INTERVALS: 2.5 PERCENT; INSULATION LEVEL HV AC: 10KV; INSULATION LEVEL HV LI: 40KV; SHORT DURATION SEPARATE SOURCE AC WITHSTAND VOLTAGE TEST INCREASE FOR ALTITUDE IEC60076-11 ITEM 12.2: 8 PERCENT; TRANSFORMER ROUTINE FACTORY TEST: AS PER IEC60076-11; LOW VOLTAGE NO LOAD NOMINAL TAP: 400V; INSULATION CLASS LV AC: 3KV; NO LOAD LOSSES PO: TO BE SUPPLIED BY MANUFACTURER; LOAD LOSSES PK75: TO BE SUPPLIED BY MANUFACTURER; LOAD LOSSES PK120: TO BE SUPPLIED BY MANUFACTURER; IMPEDANCE VOLTAGE UZ: 5.8 PERCENT; MAXIMUM LEVEL OF PARTIAL DISCHARGE: 5PC; COPPER LV TERMINALS: YES; WHEELS: YES; ELECTRICAL CONNECTION LOCATION: SIDE TO FIT EXISTING DESIGN DRAWING NUMBER 0.63/9502; TRANSFORMER TEMPERATURE PROTECTION: PT100 3 WIRE DESIGN WITH TEMPERATURE MONITORING DEVICE 24-240VAC OR DC INPUT					
0704378	POWER SUPPLY: INPUT: 230 VAC; OUTPUT VOLTAGE: 24 VDC; OUTPUT CURRENT: 20 A; APPLICATION: ELEMENTARY ANALYSER; DIMENSIONS: 150 X 130 X 121 MM; CLASSIFICATION: ETIM 6.0 EC002540; TYPE: AC/DC; MOUNTING: VERTICAL; REFERENCE NO: 8951370000; SWITCH MODE UNIT, 24V	EA	6			
0723409	MODULE, ELECTRONIC: TYPE: PCB TRANSMITTER; VOLTAGE: 100-240 VAC; MANUF P/N: E-106039.10; SPECIFICATION: DENA13423X00; MODEL NO: A-13.441.100; MATERIAL TYPE: COPPER X RESIN X GLASS; ONLY VISUAL INSPECTIONS CAN BE DONE: CHECK FOR SIGNS OF DAMAGE ON THE CIRCUITE BOARD: SUCH AS CRUSHED COMPONENTS: BULGES: CRACKED WIRES: MISPLACED OR EXTRA SOLDER: BURN MARKS AND SCRACHES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	2			
0744282	MODULE, ELECTRONIC: TYPE: FRM-01; VOLTAGE: 220 V; MANUF P/N: 6911331000-DUAL UPS 1-DT320876-L12-1349; SOUTH COAL STOCK YARD SUBSTATION - DUAL UPS 1 - 04 BRG 10	EA	2			

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	- 10KVA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).					
0766846	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: FREQUENCY; OUTPUT RATING: 37 KW; POTENTIAL: 400 VAC; PHASE: 3 PHASE; CURRENT: 88 AMP; MOUNTING METHOD: SURFACE; ENCLOSURE: IP20; OEM P/N: 11624973 CFW1; REFERENCE NO: BRCFW110088T4OYZ 470451; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	3			
0787030	ASSEMBLY: TYPE: PCB TRANSISTION; APPLICATION: COMMUNICATION BOARD INSIDE PROTEA P2000 ANALYSER; SUPPL P/N: 2-0001C; THIS IS AN ELECTRONIC COMMUNICATION BOARD ASSEMBLY. IT IS USED INSIDE THE PROTEA P2000 GAS ANALYSER.	EA	6			

PART 3: SCOPE OF WORK

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

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SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

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

The supply and delivery of Electrical Power and Distributions on a once off basis to Lethabo Power Station.

2. Specification and description of the *goods*

Material Number	Description	Unit
0014495	WIRE, ELECTRICAL: TYPE: PANEL; SIZE: 1.5 MM2; COLOR: RED; STRUCTURE: MULTISTRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 300-500 V; REFERENCE NO: ENC HSW00003; 0.20 MM DIA. STRANDS, IN 100 METER COILS; SINGLE CORE	M
0014523	WIRE, ELECTRICAL: TYPE: BUILDING; SIZE: 2.5 MM2; COLOR: RED; STRUCTURE: (7) STRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 600 V TO 1 KV; REFERENCE NO: K1525001C00056RRC1; 0.68 MM STRANDS, IN 100 METER COILS; SINGLE CORE	M
0053913	CABLE ASSEMBLY, POWER ELECTRICAL: TYPE: OIL FLAME MONITOR; OVERALL LENGTH: 6 M; CONDUCTOR QUANTITY: 2; CONDUCTOR FORM: TWISTED PAIR; BRAIDED SCREEN; POTENTIAL: 500 V; COLOR: BLACK; MATERIAL: METAL FLEXIBLE; TERMINATION TYPE: QUICK DISCONNECT PLUG AT VIEWING HEAD; REFERENCE NO: FE2020SI-1L6HT; COMPRISING OF FLAME MONITOR CABLE AND SOCKET ASSEMBLY).	EA
0054006	CABLE: TYPE: GAS AIR IGNITOR; DIAMETER: 10 MM; LENGTH: 6 M; MATERIAL: COPPER; REFERENCE NO: LT300-LEAD-L6HT; HT 180 DEG C; HIGH TEMPERATURE IGNITER LEAD	EA
0144718	WIRE, ELECTRICAL: TYPE: BUILDING; SIZE: 1.5 MM2; COLOR: BLACK; STRUCTURE: 3 STRAND; MATERIAL: CU ANNEALED; INSULATION: PVC; RATING: 600 V TO 1 KV; SINGLE CORE	M
0144766	CABLE, ELECTRICAL: CONDUCTOR SIZE: 35 MM2; CONDUCTOR: 1 CORE, CU STRANDED; CONDUCTOR INSULATION: ETHYLENE/PROPYLENE; SUPPL P/N: N16752; INSULATED WELDING CABLE, COLOUR GREY, AND ANNEALED, 1330 STRANDS OF 0,18MM DIAMETER STRAND; WELDING 300A, PVC, NO COVERING	M
0144960	CABLE, ELECTRICAL: TYPE: BATTERY BUFFER; CONDUCTOR: 5 CORE, CU; COVERING: PVC; CONDUCTOR INSULATION: PVC; REFERENCE NO: C79363-A3008-B76; SET, FOR USE WITH POWER SUPPLY TO BATTERY	EA
0144967	CABLE, ELECTRICAL: VOLTAGE: 380 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 2 MM2; ARMOR: UNARMORED; DESIGN TYPE: RETRACTILE COIL; TYPE: EXPANDA; COVERING: RUBBER; RATING: 380 V; CONDUCTOR INSULATION: RUBBER; REFERENCE NO: 341590-1002; S090; TYPE DIAMOND POWER, LEFT HAND COIL, 3 PHASE, 4 CORE, WHITNEY BLAKE 14-4, TYPE SO 90, USED ON SOOTBLOWER AND CONTROL PANELS	EA
0144968	CABLE, ELECTRICAL: CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; TYPE: EXPANDA; COVERING: RUBBER; RATING: 380 V; CONDUCTOR INSULATION: RUBBER; REFERENCE NO: 332825-9027; DIAMOND POWER, RIGHT HAND COIL, 3 PH, WHITNEY BLAKE 14-4, TYPE SO 90 DEG C	EA
0145087	WIRE, ELECTRICAL: TYPE: AUTOMOTIVE; SIZE: 2.5 MM2; COLOR: RED; STRUCTURE: 70 STRAND; MATERIAL: CU; INSULATION: SILICON; RATING: 300-500 V; SINGLE CORE	M
0145110	CABLE, COMMUNICATION: CONDUCTOR: 6 CORE, CU; CONDUCTOR SIZE: 0.75 MM2; SHEATH MATERIAL: PVC GREEN; INSULATION: PVC; CONDUCTOR RATING: 24 V; SCREEN: WIRE; COLOUR CODED: ONE BLACK, ONE RED, ONE GREEN, ONE YELLOW, ONE WHITE, ONE BLUE,	M

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	TO BE 3 PAIRED, CLASS 6 NCB 643/1979, IN 550M ROLL, FOR PULL-KEY ASH PLANT; TYPE: INSTRUMENTS	
0118273	FUSE, CARTRIDGE: CURRENT: 50 A; POTENTIAL: 1 KV; CONNECTION TYPE: SCREW CLAMP; DIMENSIONS: DIA 22 X LG 90 MM; TYPE: CURRENT LIMITING; CASE MATERIAL: CERAMIC; REFERENCE NO: GS1000-50; OFFSET 6.35 MM WITH SLOT, 2.30 MM MTG CENTRES	EA
0143309	STOP: TYPE: CIRCUIT BREAKER 22 KV; DIMENSIONS: ID 75 X OD 110 X WD 20 MM; MATERIAL: TEFLON; REFERENCE NO: HAMT402504P2; 2881; DR36U1750D; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0143311	DAMPER: TYPE: CIRCUIT BREAKER 22 KV; DIMENSIONS: ID 76 X OD 120 X THK 15 MM; MATERIAL: RUBBER; REFERENCE NO: HAGT339679P1; 2914; DR36U1750D; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0175020	ASSEMBLY: TYPE: CIRCUIT BREAKER PISTON; SUPPL P/N: 8552; REFERENCE NO: DR36U1750D; HAGT339326R1; POTENTIAL: 22 KV	EA
0175030	CARRIER: TYPE: CONTACT; SUPPL P/N: 5191; REFERENCE NO: HAMT 200024 R1; WITH RING; FOR 22KV DR36U1750D CIRCUIT BREAKER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0179202	BREAKER, CIRCUIT: POTENTIAL: 3.3 KV; CURRENT: 1.25 KA; POLE: 3; TYPE: OIL; INTERRUPT CAPACITY: 40 KA; REFERENCE NO: 3AF1162-3N	EA
0217914	BREAKER, CIRCUIT: POTENTIAL: 17.5 KV; CURRENT: 1.25 A; TYPE: VACUUM; INTERRUPT CAPACITY: 25 KA; SUPPL P/N: 3AHMQ5214-2; MODEL NO: MQ00375; WITH CONTACT ARMS, SIEMENS, F 50/60HZ, DESIGN CODE F	EA
0137968	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 49 X LG 470 X THK 15 MM; REFERENCE NO: 2008-180; SHAPE RECTANGULAR, FLEXIBLE LUMINATIONS.	EA
0145655	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 58 X LG 417 X THK 14 MM; REFERENCE NO: 2109-105HD; 2109/105 HD; SHAPE RECTANGULAR	EA
0145656	BUSBAR: MATERIAL: CU; DIMENSIONS: WD 58 X LG 602 X THK 14 MM; REFERENCE NO: 2109-151HD; 2109/151 HD; SHAPE RECTANGULAR	EA
0609731	BATTERY, PACK: POTENTIAL: 7.4 V; CURRENT CAPACITY: 2250 MA HR; TYPE: LI-ION; CONNECTION: 2 AU PLATED OUTPUT; WIDTH: 55 MM; LENGTH: 90 MM; HEIGHT: 20 MM; REFERENCE NO: BP-232N; 3 SILVER PLATED CHARGING INPUTS; FOR PORTABLE RADIO	EA
0000179	SOLDER: MATERIAL: 40PB60TIN; DIMENSIONS: DIA 1.6 MM; FORM: WIRE RESIN CORE; REFERENCE NO: 60T2; SUPPLIED IN 500 GRAM REELS, REQUIRED A MATERIAL SAFETY DATA SHEET WITH EVERY DELIVERY	EA
0005150	PLUG, ELECTRICAL: TYPE: WIRING DEVICE; POLE: 3; WIRE: 3; POTENTIAL: 250 VAC; SPECIFICATION: SABS 164; CURRENT: 16 A; RUBBER	EA
0005994	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: PIN; CONDUCTOR SIZE: 1.17-3.24 MM2; MOUNTING TYPE: DOUBLE CRIMP; MATERIAL: CU TIN PLTD; REFERENCE NO: FVDWSPC-2; BLUE INSULATION, COMPRESSION CONDUCTOR CONNECTION, 12MM PIN TERMINATION END,LUG, VINYL INSULATED DIMENSIONS: L=21.6MM X F=12.MM X D2=1.9MM	EA
0006021	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: PIN; CONDUCTOR SIZE: 0.34-1.57 MM2; MOUNTING TYPE: DOUBLE CRIMP; MATERIAL: CU TIN PLTD; REFERENCE NO: PVPC1-25; LUG, PRE INSULATED WIREGRIP, VINYL INSULATED, DIMENSIONS: L 21.6MM, F 12MM, D2 1.9MM; INSULATION: RED; TERMINATION END 1.9MM, COMPRESSION CONDUCTOR CONNECTION	EA

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0059189	FERRULE, ELECTRICAL CONDUCTOR: ACCOMODATED WIRE SIZE: 1.5 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB2F; NO INSULATION	EA
0059191	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 5 MM; ACCOMODATED WIRE SIZE: 16 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB16F; NO INSULATION	EA
0059192	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 2 MM; ACCOMODATED WIRE SIZE: 2.5 MM2; MATERIAL: CU; END TYPE: COMPRESSION; REDUCING NO INSULATION	EA
0059193	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 6.5 MM; ACCOMODATED WIRE SIZE: 25 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB25F; NO INSULATION	EA
0059194	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 3 MM; ACCOMODATED WIRE SIZE: 4 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB4F; NO INSULATION	EA
0124482	BLOCK, TERMINAL: POTENTIAL: 380 V; CURRENT: 20 A; WIRE SIZE: 4 MM2; CIRCUIT: 12; WIDTH: 26 MM; LENGTH: 170 MM; SUPPL P/N: 1325; FLEXIBLE BLACK PVC MOULDING; READILY SUB-DIVIDED 60 DEG C MAXIMUM TEMPERATURE; SQ 10MM NOMINAL ENTRY AREA; 20MM THK; TERMINAL: SCREW	EA
0124495	BLOCK, TERMINAL: POTENTIAL: 220 V; CURRENT: 15 A; WIRE SIZE: 2.5 MM; CIRCUIT: 2; WIDTH: 26 MM; LENGTH: 29 MM; 2 WAY; PORCELAIN CONNECTOR; SIZE: 22MM HT; TERMINAL: SCREW	EA
0124496	BOARD, TERMINAL: POTENTIAL: 220 V; CIRCUIT: 3; CURRENT: 15 A; CONNECTORS: SCREW; CERAMIC, DIMENSIONS: 30MM LENGTH X 30MM WIDTH X 2MM HEIGHT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).).	EA
0124734	CONNECTOR, LUG: TYPE: INSULATED RED; CONDUCTOR: 1.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 1R4; MATERIAL: CU TIN PLTD	EA
0124735	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 1.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: COPPER TIN PLATED; REFERENCE NO: HT14; MATERIAL: CU TIN PLTD	EA
0124737	CONNECTOR, LUG: TYPE: INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: PRE INSULATED BLUE; CONDUCTOR CONNECTION: DOUBLE CRIMP; COLOR: BLUE; REFERENCE NO: 2R6; MATERIAL: CU TIN PLTD	EA
0124739	BCONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 10 MM2; HOLE SIZE: M12; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB1010; MATERIAL: CU).	EA
0124740	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 16 MM2; HOLE SIZE: M8; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; REFERENCE NO: HTB168; MATERIAL: CU	EA
0124742	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 95 MM2; HOLE SIZE: M12; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB9512; MATERIAL: CU	EA

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0124746	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M4; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; REFERENCE NO: HTB24; MATERIAL: CU	EA
0124747	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 2.5 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; MATERIAL: CU	EA
0124750	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 4 MM2; HOLE SIZE: M6; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA
0124752	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 10 MM2; HOLE SIZE: M8; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA
0124753	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 6 MM2; HOLE SIZE: M10; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: COMPRESSION/CRIMP; MATERIAL: CU	EA
0124754	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 16 MM2; HOLE SIZE: M10; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMP; MATERIAL: CU	EA
0124757	CONNECTOR, LUG: TYPE: INSULATED YELLOW; CONDUCTOR: 4 MM2; HOLE SIZE: M6; TERMINATION END: SPADE; INSULATION: NYLON/VINYL; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 3S6; SPADE; MATERIAL: AL ALLOY	EA
0124760	CONNECTOR, LUG: TYPE: INSULATED YELLOW; CONDUCTOR: 4 MM2; HOLE SIZE: M4; TERMINATION END: SPADE; INSULATION: NYLON/VINYL; CONDUCTOR CONNECTION: DOUBLE CRIMP; REFERENCE NO: 3S5; SPADE; OPENING 5MM; MATERIAL: AL ALLOY	EA
0124762	TERMINAL, QUICK DISCONNECT: QUICK DISCONNECT STYLE: SPADE FEMALE; CONDUCTOR SIZE: 1.5 MM2; MOUNTING TYPE: CRIMP; MATERIAL: AL ALLOY; SUPPL P/N: IDF; FLAG; NYLON INSULATION; COMPRESSION; 6 MM OPENING; RED VINYL PRE-INSULATED; SLIDE-ON: 6.4MM X 0.8MM	EA
0136289	CONDUIT: TYPE: RIGID; SIZE: 20 MM; LENGTH: 4 M; MATERIAL: STEEL; CONNECTION: THD/COUPLING ONE END; 1.5 MM PITCH THREAD, ENAMELED OUTSIDE PROTECTIVE FINISHED	EA
0136410	HOLDER: TYPE: CABLE STRAP; DIMENSIONS: WD 25 X LG 32 X THK 5 MM; MATERIAL: PLASTIC; REFERENCE NO: TY8; BLOCK CABLE CRADLE; WITH ADHESIVE BACKING ON ONE SIDE; TYPE HELLERMANN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0136566	KIT, CABLE JOINT: CONDUCTOR: CU, 1.5-2.5 MM2; POTENTIAL: 1.1 KV; SPLICE ELECTRICAL, CRIMP SLEEVE INSULATION, 2-4 CORES, TYPE PVC-SWA-PVC	EA
0137297	KIT, CABLE JOINT: CONDUCTOR: CU, 25-50 MM2; POTENTIAL: 1.1 KV; SPLICE ELECTRICAL, CRIMP SLEEVE INSULATION, 2-4 CORES, TYPE PVC-SWA-PVC	EA
0137806	RECEPTACLE, ELECTRICAL: TYPE: WALL SOCKET; POLE: 1; WIRE: 3; POTENTIAL: 250 V; CURRENT: 16 A; DIMENSIONS: SQ 100 MM; SWITCH/SOCKET COMBINATION; 3 PIN; SINGLE PLUG; COMPLETE WITH COVER PLATES AND SCREWS; COLOUR IVORY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0138217	RECEPTACLE, ELECTRICAL: TYPE: SOCKET; POLE: 3; WIRE: 3; POTENTIAL: 250 VAC; CURRENT: 16 A; REFERENCE NO: 1350/OR; FITTED IN 120MM X 83MM BOX, COLOUR ORANGE; CONNECTION: SCREW, INDUSTRIAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA

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0145023	LEAD, TEST: LENGTH: 1.2 M; MATERIAL: CU; CONNECTORS: INSULATED MALE BANANA X PROBE POINT; COLOR: BLACK/RED; CONDUCTOR SIZE: 1.2 M; HARD POINT, FOR FLUKE MULTIMETERS TYPE TL75	EA
0217714	PLUG, ELECTRICAL: TYPE: SOLENOID; POLE: 3; POTENTIAL: 250 V; SPECIFICATION: DIN 00-197.4; CURRENT: 10 A	EA
0663162	PLUG, ELECTRICAL: TYPE: SURFACE MOUNTABLE; POLE: 4; WIRE: 4; POTENTIAL: 400 VAC; CLASSIFICATION: IP55; CURRENT: 125 A; COLOR: ORANGE; WELDING SOCKET	EA
0010142	TAPE, ELECTRICAL: WIDTH: 18 MM; LENGTH: 20 M; MATERIAL: VINYL; COLOR: BLACK; PVC; TO SABS 122; 0.18MM THK; ADHESIVE	EA
0010143	TAPE, ELECTRICAL: WIDTH: 18 MM; LENGTH: 20 M; MATERIAL: VINYL; COLOR: BLUE; PVC; TO SABS 122; 0.18MM THK; ADHESIVE	EA
0044201	BUSH: TYPE: INSULATOR; INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 30 MM; LENGTH: 32 MM; MATERIAL: PLASTIC; APPLICATION: COUPLING; STANDARD: ISO 9001; MODEL NO: ZES-3J; REFERENCE NO: 119-023-060-932; 707-2719-01	EA
0054004	INSULATOR: TYPE: SPOOL; DIMENSIONS: DIA 8 X LG 75 MM; MATERIAL: CERAMIC; DRAWING NO: 1878 REV 1; REFERENCE NO: 18; G/AIR, OIL BURNER	EA
0135299	INSULATOR: TYPE: BUS; DIMENSIONS: ID 50 X OD 160 X LG 250 MM; MATERIAL: ACRYLIC; SUPPL P/N: G30423; MAIN BUSBAR, FLANGE SIZE 280 MM	EA
0135300	INSULATOR: TYPE: BUS; DIMENSIONS: ID 50 X OD 160 X LG 250 MM; MATERIAL: ACRYLIC; REFERENCE NO: G30423; UNIT TRANSFORMER B/B, FLANGE SIZE 220 MM	EA
0136245	BUSHING, ELECTRICAL CONDUCTOR: REFERENCE NO: 58MVA; KV UNIT TRANSFORMER	EA
0136247	BUSHING, ELECTRICAL CONDUCTOR: TYPE: HIGH VOLTAGE; REFERENCE NO: PR2761-4179A; UNIT, TRANSFORMER, VOLTAGE 35MVA	EA
0590285	INSULATOR: TYPE: GEN TERM BUSH; DIMENSIONS: OD 210 X HT 230 MM; MATERIAL: EPGM; POTENTIAL: 66 KV; CURRENT RATING: 19.8 KA; OEM P/N: FBSE100385R0002, OEM: GE STEAM POWER SERVICE; FBSE100385R0001, OEM: GE STEAM POWER SERVICE; INSULATORS OF FIBRE GLASS MATERIAL USED IN T262-610 GENERATORS; TO BE PACKAGED FOR LONG TERM STORAGE	EA
0666287	INSULATOR: TYPE: FLEXIBLE SLEEVE; DIMENSIONS: WD 80 X LG 170 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; CURRENT RATING: 20 KA; OEM P/N: D38210410P20; B; 1, OEM: GE STEAM POWER SERVICE	EA
0666288	INSULATOR: TYPE: TEFLON CONNECTION; DIMENSIONS: WD 80 X LG 170 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; OEM P/N: D38210412P20, OEM: GE STEAM POWER SERVICE; DRAWING NO: 69 001069 BB	EA
0666289	INSULATOR: TYPE: TEFLON CONNECTION; DIMENSIONS: 170 X 80 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; OEM P/N: D38210411P20; B; 1, OEM: GE STEAM POWER SERVICE	EA
0666291	INSULATOR: TYPE: TEFLON HOSE CONNECTION; DIMENSIONS: 170 X 80 MM; MATERIAL: RUBBER; POTENTIAL: 20 KVA; CURRENT RATING: 20 KA; OEM P/N: D38210409P20, OEM: GE STEAM POWER SERVICE; DRAWING NO: 69 001069 BA	EA
0666295	COVER: TYPE: BAR TO BAR INSULATING HOODS; DIMENSIONS: LG 300 X HT 250 MM; MATERIAL: GLASS FIBER; COLOR: DARK GREY; APPLICATION: GENERATOR STATOR; OEM P/N: D38353254000/0; F; 1; DRAWING NO: 69001069 H REV 0	EA
0724308	BLOCK: TYPE: INSULATION; WIDTH: 125 MM; LENGTH: 240 MM; HEIGHT: 80 MM; MATERIAL: FIBER GLASS; SUPPL P/N: FBSE401854	EA
0004837	PROTECTOR, OVERLOAD: CURRENT: 2.5-4 A; TRIP RANGE: 2.5-4 A; POLE: 3; POTENTIAL: 380 V; TYPE: THERMAL MAGNETIC; SUPPL P/N: 3VU1300-1MJ00; 100 KA INTERRUPT CAPACITY	EA

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0004874	BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 3 KA; SUPPL P/N: SAG3	EA
0117251	HOLDER, FUSE: POTENTIAL: 600 VAC; CURRENT: 20 A; FUSE SIZE: DIA 17 X LG 55 MM; FUSE STYLE: BLADE; MOUNT: PANEL; REFERENCE NO: NS-H; COMPLETE	EA
0117294	FUSE, CARTRIDGE: CURRENT: 5 A; POTENTIAL: 250 V; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS	EA
0117969	FUSE, CARTRIDGE: CURRENT: 32 A; POTENTIAL: 660 VAC; CONNECTION TYPE: OFFSET SCREW CLAMP TAG; DIMENSIONS: DIA 20 X LG 78 MM; TYPE: INDICATING; CASE MATERIAL: CERAMIC; REFERENCE NO: ET32A; INDUSTRIAL	EA
0118303	FUSE, CARTRIDGE: CURRENT: 250 MA; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; SUPPL P/N: 5 X 20	EA
0118437	FUSE, CARTRIDGE: CURRENT: 2 A; POTENTIAL: 250 VAC; CONNECTION TYPE: FERRULE; DIMENSIONS: DIA 5 X LG 20 MM; TYPE: FAST BLOW; CASE MATERIAL: GLASS; REFERENCE NO: 412-403	EA
0118468	HOLDER, FUSE: POTENTIAL: 660 VAC; CURRENT: 20 A; FUSE SIZE: DIA 22 X LG 49 MM; FUSE STYLE: CARTRIDGE CERAMIC; MOUNT: PANEL; SUPPL P/N: RS20P; TYPE GEC; 2 CLAMPS; BAKELITE BODY; COLOUR BLACK	EA
0119205	HOLDER, FUSE: POTENTIAL: 660 V; CURRENT: 63 A; FUSE SIZE: DIA 22 X LG 95 MM; FUSE STYLE: SCREW CLAMP; MOUNT: PANEL; SUPPL P/N: SM63H; TYPE GEC	EA
0119251	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; CURRENT: 5 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1-G3	EA
0119252	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 10 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: QA-1 10A	EA
0119279	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 40 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: CF3G3; HEINEMANN	EA
0119280	EARTH LEAKAGE: CURRENT: 60 A; POTENTIAL: 240 VAC; POLE: 2; LEAKAGE CURRENT: 30 MA; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA15A (NEW); SA12A; WITH NEUTRAL SWITCH	EA
0119292	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 15 A; POLE: 1; FRAME: S; TYPE: HYDRAULIC MAGNETIC CURVE 2; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1-G3; HEINEMANN, TIME DELAY, COMPLETE WITH THERMO PLASTIC SHROUDS, SCREWS AND CLIP TRAY	EA
0119298	BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 40 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: CD1-C3; SAMITE	EA
0119445	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 16 A; POLE: 3; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; REFERENCE NO: 5SX2316/7; 5SL4-316	EA
0119462	BREAKER, CIRCUIT: POTENTIAL: 660 V; CURRENT: 100 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 25 KA; REFERENCE NO: C125N; MERLIN GERIN	EA
0119525	SWITCH, DISCONNECT: POTENTIAL: 660 V; CURRENT: 25 A; SUPPL P/N: P1-25; SWITCHGEAR	EA
0119542	EARTH LEAKAGE: TYPE: DOMESTIC/INDUSTRIAL; CURRENT: 63 A; POTENTIAL: 230 V; POLE: 2; INTERRUPT CAPACITY: 2.5 KA	EA
0119543	PROTECTOR, OVERLOAD: CURRENT: 6 A; POLE: 3; POTENTIAL: 220-415 V; TYPE: MINIATURE THERMAL MAGNETIC; SUPPL P/N: 3RV1021-OEA10; 7.5KA INTERRUPT CAPACITY, FFT: SIEMENS NT TYPE	EA

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0119544	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 32 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: 35L; LEGRAND	EA
0119545	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 15 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45M11LT19	EA
0119553	BREAKER, CIRCUIT: POTENTIAL: 220-380 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; KLOCKNER MOELER, FAZL	EA
0119572	BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 45 A; POLE: 3; TYPE: MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: QF3(19); REFERENCE NO: SF3G3-45A	EA
0119702	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 20 A; POLE: 1; SPECIFICATION: SABS 156; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: C45120; MULTI 9, C60	EA
0119715	EARTH LEAKAGE: CURRENT: 40 A; POTENTIAL: 250 V; POLE: 1; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: VIGI C45; MULTI 9	EA
0119726	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; 60 VDC; CURRENT: 0.4 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: C30327-Z61-A12	EA
0119778	BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 45 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: QC1045	EA
0119834	BREAKER, CIRCUIT: POTENTIAL: 250 VAC; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 3600-P10SI-5A; 7 PIN CONTACTS	EA
0119853	BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 16 A; POLE: 1; TYPE: THERMAL MAGNETIC CURVE G; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45115; MULTI 9, DINFIX	EA
0119863	BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 80 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G3; COMPLETE WITH THERMO PLASTIC SHROUD SCREWS AND CLIP TRAY	EA
0120207	SWITCH, DISCONNECT: TYPE: ISOLATOR; POTENTIAL: 250 V; CURRENT: 15 A; ACTION: SPST; OPERATED: LEVER; MOUNT: WALL; FLUSH; 1W; 1 WAY; WITH COVER AND SCREWS	EA
0120973	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 63 A; POLE: 3; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: 21155; MULTI 9, PROTECTION AGAINST OVERLOAD AND SHORT CIRCUIT	EA
0125666	RELAY, OVERLOAD: TRIP RANGE: 2.5-4 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTOMATIC/MANUAL; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; SUPPL P/N: LRD08-034678; REFERENCE NO: LR1-D09308A65; 3 POLE, STANDARD POWER RATING AT 380VOLT, 1.5KW; UNIVERSAL CONTACT	EA
0127022	RELAY, OVERLOAD: TRIP RANGE: 48-65 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 65 A; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; CONTACT MATERIAL: SILVER PLTD; SUPPL P/N: LRD3359; 3 POLE RATED; VOLTAGE 660VAC; OVERALL DIMENSIONS WD 64 X HT 115 X LG 73MM	EA
0127029	RELAY, OVERLOAD: TRIP RANGE: 4-6.3 A; TYPE: THERMAL; CONTACT ARRANGEMENT: 1NO 1NC; RESET: AUTOMATIC/MANUAL; TERMINAL: CAPTIVE SCREW; MOUNT: PANEL; ENCLOSURE RATING: BAKELITE; CONTACT MATERIAL: SILVER PLTD; REFERENCE NO: 3AU5000-1G; DELAYED, AUXILLIARY CONTACT, SWITCHING POSITION INDICATION, TERMINAL FOR CONTACTOR COIL, PHASE FAILURE PROTECTION	EA
0137978	KIT, CONTACT: TYPE: MAIN; SUPPL P/N: 3TY6 540-0A	EA
0138432	KIT, CONTACT: TYPE: MAIN; SUPPL P/N: 3TY6 480-0A	EA

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

0158097	CONTACTOR: TYPE: REVERSE; COIL VOLTAGE: 380 VAC; SUPPL P/N: 6DT1027-OAK00; 50HZ; 5.5KW; 8643; FABRICATION NUMBER:- A3106574; FOR ANALOG CONTACTOR DRIVE ON VALVES, TELEPERM POWER CONTROL UNITS	EA
0178610	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2.5 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; SUPPL P/N: 3WE8385	EA
0178611	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2.5 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; REFERENCE NO: 3WE8381	EA
0178612	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 2 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; REFERENCE NO: 3WE7385	EA
0178613	BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 1.6 KA; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 80 KA; SUPPL P/N: 3WE6385	EA
0223448	PROTECTOR, OVERLOAD: CURRENT: 63 A; TRIP RANGE: 45-63 A; POLE: 3; POTENTIAL: 380 V; TYPE: MOTOR PROTECTION; SUPPL P/N: 3RV1041-4JA10; SIEMENS, INTERRUPT CAPACITY 50KA	EA
0223827	RELAY: TYPE: MINIATURE; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 48/240 VAC; TERMINAL: 5 PIN PLUG IN; MOUNT: PLUG IN; ENCLOSURE RATING: IP65; CONTACT MATERIAL: SILVER/TIN OXIDE; SUPPL P/N: 2961105; PHOENIX CONTACT, WITH POWER CONTACT, AMBIENT TEMPERATURE RANGE -40 DEG C TO 85 DEG C, DIMENSIONS 28 MM LG X 15 MM HT X 5 MM WIDE	EA
0618958	FUSE: TYPE: KNIFE; CURRENT: 125 A; POTENTIAL: 690 V; CONNECTION: BLADE; DIMENSIONS: WD 29 X LG 78 MM; REFERENCE NO: NH00; 120KA IEC 60269-2	EA
0664607	PANEL: TYPE: LOW VOLTAGE SWITCHGEAR; DIMENSIONS: DIA 960 MM X WD 2.304 M X HT 2.016 M; MATERIAL: 2 MM SS 3CR12; SPECIFICATION: SANS 1973-1:2007; 630A; 400VAC	EA
0778383	RELAY: TYPE: OVERLOAD; COIL VOLTAGE: 400 VAC; CONTACT ARRANGEMENT: 1NC AND 1NO; CONTACT RATING: 400 +- 20%; ACTION: 3 PHASE; TERMINAL: 3 PHASE; MOUNT: ON RAIL; ENCLOSURE RATING: IP54; CONTACT MATERIAL: COPPER; SPECIFICATION: ADJUSTABLE 0,25-5 HVS; TEO3 PHASE ANGLE/PUMP PROTECTION RELAY. TRIP LEVEL; PLUS MINUS 10 PERCENT 1 SECOND DELAY. CURRENT TRIP; PMUS MINUS 20 PERCENT 1 SECOND DELAY. POWER CONSUMPTION 3VA.	EA
0015030	LAMP, FLUORESCENT: POWER: 75 W; POTENTIAL: 250 V; BASE: 1 PIN; COLOR: WHITE COOL; LENGTH: 2.44 M; BULB: FA8; SUPPL P/N: S96T12-33-75W; REFERENCE NO: FA8	EA
0015031	LAMP, FLUORESCENT: TYPE: ENERGY SAVER; POWER: 65 W; POTENTIAL: 230 VAC; BASE: MEDIUM BI PIN; COLOR: WHITE COOL; LENGTH: 1.52 M; BULB: T12; RAPID START; BALLAST REQUIRED FOR OPERATION	EA
0015035	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 230-250 VAC; POWER: 400 W; BASE: E40 GOLIATH EDISON SCREW; COLOR: WHITE; SUPPL P/N: MBF-U400W; ELLIPICAL, SIZE 286 MM LONG X 122 MM DIA, BURNING POSITION: UNIVERSAL	EA
0015040	LAMP, HIGH INTENSITY DISCHARGE: TYPE: MERCURY VAPOUR; POTENTIAL: 230-250 VAC; POWER: 125 W; BASE: E27; COLOR: FROSTED INSIDE; SUPPL P/N: HPL-N125W; ELIPTICAL; UNIVERSAL BURNING POSITION	EA
0110426	CLAMP: TYPE: LIGHT FITTING; DIMENSIONS: 5 MM; MATERIAL: STL; SPRING TOGGELS	EA
0145680	FIXTURE, FLUORESCENT LIGHTING: POTENTIAL: 230 VAC; POWER: 40 W; LENGTH: 1.27 M; LAMP: 2; PIN TYPE: LH/RH; MOUNT: CEILING; SUPPL P/N: SL240	EA
0145719	LENS: TYPE: FLUORESCENT LIGHT; DIMENSIONS: WD 285 MM X LG 1.28 M X THK 90 MM; MATERIAL: AL/PC; REFERENCE NO: 14BA; SL SOFT-LINE	EA
0145742	REFLECTOR, LIGHTING: SHAPE: SQ; MATERIAL: AL POLISHED; POWER: 40 W;	EA

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	REFERENCE NO: S2RC-340-SES-126; BODY, SIZE 600MM WD X 1200MM LG X 125MM DP	
0145745	FIXTURE, FLUORESCENT LIGHTING: POTENTIAL: 220 V; POWER: 58 W; LENGTH: 1.51 M; LAMP: 1; MOUNT: CEILING; REFERENCE NO: SHS-15-ES; BATTEN LUMINAIRES AS PER SHEDULE C1 ITEM 3	EA
0146048	LIGHT, EXTENSION: TYPE: TROUBLE, INCANDESCENT; POTENTIAL: 220-250 VAC; POWER: 60-100 W; REFERENCE NO: SL2; MEDIUM SCREW BASE, WITH WIRE GUARD, RUBBER INSULATED HANDLE, WITHOUT CORD LENGTH	EA
0146132	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 230-250 VAC; POWER: 220 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: NHT220LX; TUBULAR; UNIVERSAL BURNING POSITION; 252MM LONG; WITHOUT IGNITOR; EYE BRAND ONLY	EA
0146133	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 250 V; POWER: 360 W; BASE: E40; COLOR: CLEAR; SUPPL P/N: NHT360LX; TUBULAR; 280MM LONG; UNIVERSAL BURNING POSITION; WITHOUT IGNITOR; EYE BRAND ONLY	EA
0146370	LAMP, FLUORESCENT: POWER: 40 W; POTENTIAL: 230 VAC; BASE: 1 PIN; COLOR: WHITE COOL; LENGTH: 1.2 M; SUPPL P/N: TLX40W/33	EA
0146385	LAMP, INCANDESCENT: TYPE: SWITCHBOARD; POTENTIAL: 48 V; BASE: BA9S; COLOR: CLEAR; REFERENCE NO: CLT9X24; 60MA, T9X24, SIZES 24X9, CONTACT MINIATURE BAYONET	EA
0146640	LAMP, INCANDESCENT: TYPE: INDICATING; POWER: 5 W; POTENTIAL: 160 VAC; BASE: BA15D; COLOR: CLEAR; DOUBLE CONTACT SMALL BAYONET	EA
0146697	LAMP, HIGH INTENSITY DISCHARGE: TYPE: HIGH PRESSURE SODIUM; POTENTIAL: 220 V; POWER: 220 W; BASE: E40; COLOR: WHITE; USED IN CONJUNCTION WITH BALLAST; NOTE! ITEM MUST BE PROTECTIVE PACKED	EA
0147145	BALLAST, LAMP: TYPE: FLUOR; POTENTIAL: 230 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 0.25 MA; POWER: 40 W; BALLAST STYLE: RAPID START; CAT NO: SR40H; PARMAR GOLD, SEAL SEMI RESONANT START, TYPE B.2.1, TEMP RISE DT-40 DEG C; STYLE HIGH POWER FACTOR	EA
0147175	BALLAST, LAMP: TYPE: SODIUM VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; POWER: 70 W; BALLAST STYLE: LOW POWER FACTOR; SUPPL P/N: HS70; HS75XA; RS, 50 HERTZ	EA
0147191	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 V; LAMP ACCOMMODATION QUANTITY: 1; POWER: 250 W; BALLAST STYLE: RAPID START; REFERENCE NO: M250H; PARMAR GOLD SEAL, FOR ONE TYPE M4	EA
0147192	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 V; POWER: 400 W; BALLAST STYLE: RAPID START; SUPPL P/N: M400-H; PARMAR CHOKE FOR ONE M5 TYPE MERCURY VAPOUR LAMP, FOR 0.85 PF USE 20 MICROPHERANT CAPASITOR, STYLE ENCASED AND POTTED	EA
0147222	BALLAST, LAMP: TYPE: MERCURY VAPOUR; POTENTIAL: 230 VAC; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1.15 A; POWER: 125 W; BALLAST STYLE: RAPID START; LENGTH: 173 MM; HEIGHT: 47 MM; WIDTH: 64 MM; SUPPL P/N: M125A; STYLE CONSTANT WATTAGE, 3 WIRE LEAD TYPE	EA
0147363	HOLDER, LAMP: MATERIAL: PLASTIC; REFERENCE NO: ZB2-BV7; C/W SCREW AND CAPTIVE CABLE CLAMP; SUPPLY DIRECT THROUGH RESISTOR; PANEL MOUNT; SIZE: 32MM WD X 34MM LG	EA
0211160	BALLAST, LAMP: TYPE: FLUORESCENT; POTENTIAL: 198-264 VAC; LAMP ACCOMMODATION QUANTITY: 2; CURRENT: 0.49 MA; POWER: 58 W; LAMP STYLE: TUBE; BALLAST STYLE: ELECTRONIC; SUPPL P/N: QTP2X58/230-240; GEAR, QUICK TRONIC PROFESSIONAL ELECTRONIC TYPE, FOR LIN58W/21 LUMILUX PLUS 5 FOOT	EA

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	TUBES	
0211265	BALLAST, LAMP: TYPE: FLUORESCENT; POTENTIAL: 240 VAC; CURRENT: 0.25 MA; POWER: 50 W; BALLAST STYLE: ELECTRONIC; SUPPL P/N: TLD58W	EA
0211369	STARTER, LAMP: LAMP STYLE: FLUORESCENT; POTENTIAL: 220-240 VAC; POWER: 4-65 W	EA
0247165	BALLAST, LAMP: POTENTIAL: 220-240 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1.15 A; POWER: 125 W; LAMP STYLE: METAL HALIDE; BALLAST STYLE: MERCURY CONTROL GESR; LENGTH: 153 MM; HEIGHT: 46 MM; SUPPL P/N: MG128B22245; REFERENCE NO: HIE/C/HBU/4K	EA
0568757	LAMP, FLUORESCENT: TYPE: METAL HALIDE; POWER: 150 W; POTENTIAL: 230 V; BASE: E27; COLOR: CLEAR; LENGTH: 141 MM; BULB: B40; SPECIFICATION: HQI-150/NDL; OPEN AND ENCLOSED LUMINAIRE; BULK HEAD	EA
0568760	LAMP, FLUORESCENT: TYPE: COMPACT ENERGY SAVER; POWER: 28 W; POTENTIAL: 230 V; BASE: G5; COLOR: WHITE COOL; LENGTH: 1.149 M; BULB: M95; REFERENCE NO: HE 28W/840	EA
0568793	LAMP, FLUORESCENT: TYPE: COMPACT ENERGY SAVER; POWER: 28 W; POTENTIAL: 230 V; BASE: G5; COLOR: WHITE COOL DAYLIGHT; LENGTH: 1.149 M; BULB: T5; REFERENCE NO: HE 28W/865	EA
0576672	BALLAST, LAMP: TYPE: HPS VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1 A; POWER: 70 W; BALLAST STYLE: MAGNETIC; LENGTH: 113 MM; HEIGHT: 51 MM; MOUNT: BOLTED; WIDTH: 65 MM; REFERENCE NO: NAHJ 70.128	EA
0576673	BALLAST, LAMP: TYPE: HPS VAPOUR; POTENTIAL: 220 V; LAMP ACCOMMODATION QUANTITY: 1; CURRENT: 1 A; POWER: 100 W; BALLAST STYLE: MAGNETIC; LENGTH: 113 MM; HEIGHT: 47 MM; MOUNT: BOLTED; WIDTH: 65 MM; REFERENCE NO: OMBIS 35-150W OM PRO	EA
0698978	FIXTURE, QUARTZ LIGHTING: DIMENSIONS: WD 200 X LG 480 X HT 70 MM; POTENTIAL: 198-264 V; POWER: 40 W; CLASSIFICATION: BULKHEAD; LIFETIME RESIDUAL FLUX: 90 PERCENT AT 50000 HOURS PER 70 PERCENT AT 100000 HOURS; BODY: HIGH PURITY DIE CAST ALUMINIUM; IMPACT RESISTANCE GLASS OR POLYCARBONATE PROTECTOR: GLASS IK08 POLYCARBONATE IK09/10; LED CHIPS: NICHIA; INGRESS PROTECTION OPTICAL COMPONENT: IP66; INGRESS PROTECTION DRIVER: IP66; COLOUR TEMPERATURE: 4000K; COLOUR RENDERING INDEX: RA70; ELECTRIC GLASS: CLASS 1; OPERATING TEMPERATURE: MINUS 30 TO 50 DEGREES CEL; FEATURES: SURGE PROTECTION: 20KV/20KA; HOUSING AND FRAMING: EN AC-443000 MARINE GRADE ALUMINIUM; HIGH PERFORMANCE DESIGN EFFICACY UP TO 150LM PER W; MULTIPLE INSTALLATION OPTIONS; L70 GREATER THAN 50000 HOURS; SUPERIOR UNIFORMITY; STAINLESS STEEL SCREW	EA
0760775	LIGHT: TYPE: LED; POWER: 170 W; POTENTIAL: 230 VAC; FIXTURE QRTZ LGTG: 198-264V; 800A	EA
0765796	LIGHT: TYPE: BULKHEAD ZONE 2; POWER: 40 W; POTENTIAL: 220 VAC; EX FOR COAL DUST ENVIRONMENT; ALUMINIUM BODY; 160 LUMES/	EA
0119451	LEVER, SWITCH: SIZE: LG 300 MM; MATERIAL: PLASTIC; SUPPL P/N: 8UC6313-1BB30; LOCKABLE HANDLE MECHANISM, 10 MM SQUARE SHAFT, FOR USE WITH 3KL55250A ISOLATOR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0120194	SWITCH, LIMIT: ACTION: SPDT; ACTUATOR: ROLLER PLUNGER; CONTACT ARRANGEMENT: NC NO; ENCLOSURE: IP66; SUPPL P/N: 8336; TELEMACHINIQUE XCKJ 167 H29; TOP ACTUATED, FOR USE ON HV CIRCUIT BREAKER; DIMENSIONS: WD 40 X LG 70 MILLIMETER; POTENTIAL: 24 VOLT; CURRENT: 10 AMPERE	EA

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

0120644	SWITCH, SELECTOR: OPERATED: LEVER; POSITION: 4; POTENTIAL: 660 VAC; ACTION: 10P4T; APPLICATION: AMMETER; SUPPL P/N: B11-AO38-621-EG; CURRENT: 20 AMPERE	EA
0120864	SWITCH, JOYSTICK: SUPPL P/N: XKBZ981; REFERENCE NO: 63450-8527	EA
0121945	SWITCH, PUSHBUTTON: COLOR: BLACK; ELECTRICAL RATING: 660 V 10 A; ACTION: SPST; CONTACT ARRANGEMENT: 1NO; MOUNT: PANEL; REFERENCE NO: 3SB1400-0B; SIEMENS; FRONT PLATE MOUNTING; MOUNTING DIMENTIONS: WD 22 X LG 30 X DP 60; WITHOUT HOLDER; UNIT PROGRAMED FOR ALL APPLICATIONS	EA
0123696	SWITCH, SELECTOR: OPERATED: KNOB; POSITION: 2; POTENTIAL: 380 VAC; CONTACT CONFIGURATION: OFF/ON; CONTACT ARRANGEMENT: 1NO 1NC; ACTION: DPST; APPLICATION: GENERAL; SUPPL P/N: C11; 2 POLE, CODE NO A291-621, FUNCTION AND CONFIGURATION, WITH 90DEG RIGHT-HAND SWITCHING AND STEEL SHAFT; DIMENSIONS: SQ 64 MILLIMETER; CURRENT: 10 AMPERE	EA
0134267	SWITCH, PUSHBUTTON: HEAD STYLE: FLAT RD BUTTON; COLOR: GRAY; ELECTRICAL RATING: 48 VDC; ACTION: 4PDT; CONTACT ARRANGEMENT: 4NO; MOUNT: PANEL; RELEASE KEY FOR CONTROL SYSTEMS IN GENERAL; TYPE SIEMENS; 2 DESIGNATION STRIPS FOR 1 LINE; WITH POTENTIAL INDIVIDUAL LINES; 2 GREEN LAMPS; TOP PLATE	EA
0500088	SWITCH, SELECTOR: OPERATED: HAND; POTENTIAL: 380 V; CONTACT CONFIGURATION: OFF/B/R/W; APPLICATION: 11 KV INCOMER BRD; CONTACT 6, 10 AND 14 BRIDGED; CONTACT 16 AND 20 BRIDGED; 3, 7 AND 10 BRIDGED, 2.5 WIRE, C11, 3 PHASE 4 THROWS, HORIZONTAL, 1-20 CONTACTS; DIMENSIONS: WD 40 X LG 600 MILLIMETER; CURRENT: 20 AMPERE	EA
0684716	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 5-7 MM; POTENTIAL: 10-30 VDC; ACTION: PNP; CONTACT ARRANGEMENT: 1NO; CONNECTION: 3 WIRE; APPLICATION: WATER TREATMENT PLANT; SUPPL P/N: SB3.5-E2; CURRENT: 100 MILLIAMPERE	EA
0698963	PUSH BUTTON: TYPE: EMERGENCY STOP; SUPPL P/N: XALK178F; COMPLETE CONTROL STATION; ONE RED MUSHROOM HEAD PUSHBUTTON TURN TO RELEASE 2NC; KNOCK OUT FOR M20 CABLE GLAND 68 X 68; IP67 ENCLOSURE	EA
0121663	MODULE: TYPE: AMPLIFIER SWITCH; POWER SOURCE: 220 VAC; SUPPL P/N: 103373; PEPPER AND FUCHS AMPLIFIER SWITCH TYPE KFA6-SR2-EX2.W	EA
0129147	TRANSFORMER, CURRENT: POTENTIAL: 4-16000 V; TYPE: INSTRUMENT; REFERENCE NO: 34017IL4-16; CURRENT RATING 1/2500/2500/1:2000/1/1/2000, LOCATION OUTDOOR, RPC 2500A, CLASS: X, KPV 300 LEXA 0.1 RS 60HM, CORE 2: RATIO 2500 /L VA 10 CLASS 10P10 RS 15 OHM, CORE 3: RATIO 2500/1 VA5 CLASS 1	EA
0130671	TRANSFORMER, CURRENT: POTENTIAL: 12-28 KV; TYPE: INSTRUMENT; CURRENT RATING 1:2000, LOCATION OUTDOOR, 12/28KV 2000/1 32KA CL X	EA
0130685	TRANSFORMER, DISTRIBUTION: APPARENT POWER: 400 VA; POTENTIAL: 11000-110/220 V; STANDARD: BS 3941; SUPPL P/N: V18A7DNO-43Z; CL1/ 50VA CL1, 50HZ, CLASS 1, FUSES PRIMARY 12000V 1A, SECONDARY 4A-25A, FOR USE ON SIEMENS 11KV BOARDS; TYPE: VOLTAGE	EA
0130686	TRANSFORMER, POTENTIAL: TYPE: INSTRUMENT; SPECIFICATION: BS 3941; REFERENCE NO: 18A7DN0437/809/10; VOLTAGE RATING 3300-220/110V, LOCATION OUTDOOR, RATIO 3300/220/110, IL 3.6/13/45KV, 50HZ, VA/CL/ALF 400VA CL1/50VACL1, VF/SEC 1.2, RS 6.7 KVA 20S20M	EA
0130938	THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; CURRENT: 125 A; INDUSTRY STANDARD: SKKT15-12D; POTENTIAL: 1.2 KV; FOR STATION BATTERY CHARGER D1-D6-24V, 15 AM	EA
0130999	THYRISTOR: TYPE: SILICON CONTROLLED RECTIFIER; INDUSTRY STANDARD: 5STP07D1200; REFERENCE NO: 5STP07D1200; CS400/12IO23-232947; CS400N1220;	EA

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ON A ONCE-OFF BASIS TO LETHABO POWER STATION.

	CASE 2 IN GROOVED, MOUNTING FORCE IN N MIN-10000/MAX-12000, PHD T801A SERIES ALSO ACCEPTABLE	
0138048	POWER SUPPLY: INPUT: 220 VAC 50 HZ; OUTPUT VOLTAGE: -12 VDC; OUTPUT CURRENT: 20 MA; SUPPL P/N: C01.54.44; 6AJ7204-3AA80; REFERENCE NO: 6AJ7204-3AA80	EA
0138462	BOARD: TYPE: VERO; WIDTH: 100 MM; LENGTH: 300 MM; THICKNESS: 2 MM; MATERIAL: GLASS FIBER CU CLAD; REFERENCE NO: 27-0022; WITH HOLE MATRIX SIZE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0144421	POWER SUPPLY: INPUT: 220 VAC 1 PH 50 HZ; OUTPUT VOLTAGE: 32 VDC; OUTPUT CURRENT: 6 A; DRAWING NO: CREDFELD 4225 REV 1; REFERENCE NO: 4225; AUXILLIARY UNITS; USED ON BURNER MANAGEMENT PANELS ON THE FUEL OIL BURNERS.	EA
0148092	POWER SUPPLY: OUTPUT VOLTAGE: 18-33 VDC; REFERENCE NO: 8501714; FTZ 1064	EA
0148982	INVERTER: TYPE: DIP PROOFING; POWER: 4 KVA; OUTPUT RATING: 230 VAC 18 A 50 HZ; FOR ESKOM UPGRADE; OUTPUT VOLTAGE: 220VAC; WAVE SHAPED; STEPPED SQUARE	EA
0154311	POWER SUPPLY: INPUT: 18-33 VDC 280/220/170 MA 1 PH; OUTPUT VOLTAGE: 64 VDC; OUTPUT CURRENT: 1.3-1.2-0.9 A; MODEL NO: FTZ1064	EA
0179286	TRANSFORMER, DISTRIBUTION: TYPE: ONAN; APPARENT POWER: 3150 KVA; POTENTIAL: 11-3.3 KV; VECTOR GROUP: DYN11; POWER	EA
0182406	MINI SUBSTATION: TYPE: 315KVA 11KV/420V B CB INLD; VOLTAGE: 420 V; OPERATING RANGE: 11 KV; POWER: 315 KVA; PHASE: 3PH; SPECIAL FEATURES: TAP SWITCH +/- 5%; LV PANEL SUITABLE FOR FITTING OF LARGE FRAME MCCB'S (SEE D-DT-3034); DRAWING NO: DDT 8050; FITTED WITH TRANSFORMER AND RMU; INLAND APPLICATION; TYPE B; TEST/CERT, IDENTIFICATION AND SPECIFICATION REQUIREMENTS: CORROSION SPEC: DSP 34-1658; STANDARD SPEC: NRS 004, SANS 1029; ESKOM SPEC: DSP 34-1621; IDENTIFICATION: INDELIBLE MNFRS. TRADEMARK AND PART NO. ON ALL ITEMS	EA
0212791	DRIVE, VARIABLE SPEED: INPUT RPM: 2980 RPM; POWER: 45 KW; POWER SOURCE: 380 V; MANUF P/N: FC 300; IP 66; FOR SO3 PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0215577	DRIVE, VARIABLE SPEED: POWER: 0.37; POWER SOURCE: 380 VAC; SUPPL P/N: VLTFC303-175N1717; REFERENCE NO: P66-EX-RI-DO-T52-F10; FOR SRO PLANT AND AMONIA PUMPS OUTPUT CURRENT 1.4A, 0.2-132 HZ, 0-1000 HZ (PROGRAMMABLE); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0220634	MODULE: TYPE: PROCESSOR; POWER SOURCE: 24 VDC; SUPPL P/N: 6GK7342-5DA02-OXEO; CP342; SIEMENS ONLY, PROFIBUS INPUT	EA
0223449	CIRCUIT: TYPE: PHASECON; FUNCTION: THYRISTOR FIRING; SUPPL P/N: P6650; SIZE 175MM WD X 260MM LG	EA
0224272	TRANSFORMER, INSTRUMENT: TYPE: MULTI STG; CURRENT: 3 A; POTENTIAL: 11000-220-110 V; SUPPL P/N: V18ATK; REFERENCE NO: 0616/2A; VOLTAGE RATING 11000-220-110V, LV CONNECTIONS: A1:A:B:B1:C:N:C1, A:B:C:N:110V 3PH LIN, A1:B1:C1: N 220V 3PH LIN, HV FUSES AND CONNECTIONS: POSITION ABC, VTF 11KV 3A FUSE TYPE AND RATING, 3 SHUNT TRANSFORMER TO BS 7729, IL:12/28/95 KV 50HZ, CT STC 2B KV VTVF/S 1.2, PRIMARY ABC 11000 VOLT	EA
0570082	BREATHING: TYPE: SILICA GEL, UNIT; MATERIAL: POLYPROPYLENE; DIMENSIONS: DIA 80 X LG 165 MM; CONNECTION: FNPT 1/4 IN; MANUF P/N: 1011388; CAPACITY: 155 CUBIC CM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE	EA

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	PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
0574075	TRANSFORMER: TYPE: OIL IMMERSION; CURRENT: 295-2362 A; POTENTIAL: 88-11 KV; PHASE: 3; APPARENT POWER: 45 MVA; REFERENCE NO: K-7372	EA
0588695	TRANSFORMER, DISTRIBUTION: APPARENT POWER: 700 MVA; POTENTIAL: 20-300 KVAC; VECTOR GROUP: PRIM STAR; NEUTRAL; SEC DELTA; PHASE: 3; STYLE: YND1; COOLING TYPE: OIL; REFERENCE NO: 221169; FOR MAIN GENERATOR; 15 TAP POSITIONS; INSULATED	EA
0618946	TRANSFORMER: TYPE: HIGH FREQUENCY; CURRENT: 196 A/1700 MA; POTENTIAL: 400 V/70 KV; OEM P/N: SIR4-S1-1-4	EA
0623978	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: SYNCHRONOUS; OUTPUT RATING: 11 KW; POTENTIAL: 380-480 V; PHASE: 3; CURRENT: 27.7 A; MANUF P/N: ATV71HD11N4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0659423	CIRCUIT: TYPE: ELECTRONIC CHIP; FUNCTION: ISOLATED SWITCHING; SUPPL P/N: 6-0221	EA
0659454	CIRCUIT: TYPE: DETECTOR ELECTRONIC CHIP; FUNCTION: ELECTRONIC COMMUNICATION; SUPPL P/N: 6-0138	EA
0659514	CIRCUIT: TYPE: ULTRASONIC; FUNCTION: AIR FLOW VELOCITY; SUPPL P/N: D-FL 220 MK	EA
0686410	STARTER, AUTOMOTIVE: TYPE: PINION SHIFT; ENGINE: DIESEL S16N PTA; POTENTIAL: 24 V; MODEL NO: 03306020510; NO OF PINION TEETH OR NO OF RING GEAR TEETH 15; 19	EA
0694920	TRANSFORMER, DISTRIBUTION: TYPE: CAST RESIN; APPARENT POWER: 315 KVA; POTENTIAL: 3.3/0.4 KV; VECTOR GROUP: YYN0; PHASE: 3; INCLOSURE TYPE: IP00; COOLING TYPE: AN; STANDARD: IEC 60076-11; ENVIRONMENTAL CLASS: E2; CLIMATIC CLASS: C2; FIRE BEHAVIOR CLASS: F1; MAXIMUM AMBIENT TEMPERATURE: 45 DEG C; TEMPERATURE RISE HV AND LV: 95 K; INSULATION CLASS HV AND LV: F; WINDING MATERIAL: TO BE SUPPLIED BY THE MANUFACTURER; FREQUENCY: 50HZ; DUTY CYCLE: CONTINUOUS: TAP POSITIONS: HV TERMINAL SIDE; AMOUNT TAPS: 5; TAPPING INTERVALS: 2.5 PERCENT; INSULATION LEVEL HV AC: 10KV; INSULATION LEVEL HV LI: 40KV; SHORT DURATION SEPARATE SOURCE AC WITHSTAND VOLTAGE TEST INCREASE FOR ALTITUDE IEC60076-11 ITEM 12.2: 8 PERCENT; TRANSFORMER ROUTINE FACTORY TEST: AS PER IEC60076-11; LOW VOLTAGE NO LOAD NOMINAL TAP: 400V; INSULATION CLASS LV AC: 3KV; NO LOAD LOSSES PO: TO BE SUPPLIED BY MANUFACTURER: LOAD LOSSES PK75: TO BE SUPPLIED BY MANUFACTURER; LOAD LOSSES PK120: TO BE SUPPLIED BY MANUFACTURER; IMPEDANCE VOLTAGE UZ: 5.8 PERCENT; MAXIMUM LEVEL OF PARTIAL DISCHARGE: 5PC; COPPER LV TERMINALS: YES; WHEELS: YES; ELECTRICAL CONNECTION LOCATION: SIDE TO FIT EXISTING DESIGN DRAWING NUMBER 0.63/9502; TRANSFORMER TEMPERATURE PROTECTION: PT100 3 WIRE DESIGN WITH TEMPERATURE MONITORING DEVICE 24-240VAC OR DC INPUT	EA
0704378	POWER SUPPLY: INPUT: 230 VAC; OUTPUT VOLTAGE: 24 VDC; OUTPUT CURRENT: 20 A; APPLICATION: ELEMENTARY ANALYSER; DIMENSIONS: 150 X 130 X 121 MM; CLASSIFICATION: ETIM 6.0 EC002540; TYPE: AC/DC; MOUNTING: VERTICAL; REFERENCE NO: 8951370000; SWITCH MODE UNIT, 24V	EA
0723409	MODULE, ELECTRONIC: TYPE: PCB TRANSMITTER; VOLTAGE: 100-240 VAC; MANUF P/N: E-106039.10; SPECIFICATION: DENA13423X00; MODEL NO: A-13.441.100; MATERIAL TYPE: COPPER X RESIN X GLASS; ONLY VISUAL INSPECTIONS CAN BE DONE: CHECK FOR SIGNS OF DAMAGE ON THE CIRCUITE BOARD: SUCH AS CRUSHED COMPONENTS: BULGES: CRACKED WIRES: MISPLACED OR EXTRA SOLDER: BURN MARKS AND SCRACHES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA

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0744282	MODULE, ELECTRONIC: TYPE: FRM-01; VOLTAGE: 220 V; MANUF P/N: 6911331000-DUAL UPS 1-DT320876-L12-1349; SOUTH COAL STOCK YARD SUBSTATION - DUAL UPS 1 - 04 BRG 10 - 10KVA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0766846	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: FREQUENCY; OUTPUT RATING: 37 KW; POTENTIAL: 400 VAC; PHASE: 3 PHASE; CURRENT: 88 AMP; MOUNTING METHOD: SURFACE; ENCLOSURE: IP20; OEM P/N: 11624973 CFW1; REFERENCE NO: BRCFW110088T4OYZ 470451; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0787030	ASSEMBLY: TYPE: PCB TRANSISTION; APPLICATION: COMMUNICATION BOARD INSIDE PROTEA P2000 ANALYSER; SUPPL P/N: 2-0001C; THIS IS AN ELECTRONIC COMMUNICATION BOARD ASSEMBLY. IT IS USED INSIDE THE PROTEA P2000 GAS ANALYSER.	EA

2.1 Purchaser's design

The Supplier shall supply goods that fully comply with the specifications, drawings, standards, and requirements set out in the Contract Data and the Goods Information

The goods shall be new, of merchantable quality, free from defects in design, materials, and workmanship, and suitable for the intended purpose as described in the Contract

Any deviations from the specified requirements must be formally submitted for approval by the Purchaser before delivery.

The Supplier shall ensure that any materials or components used in the goods are compatible with Eskom's operational environment and meet Eskom's safety and environmental requirements

The Supplier shall package and mark the goods in accordance with best industry practices and any specific instructions provided by the Purchaser to prevent damage during transit and storage.

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

The Supplier shall supply goods that fully comply with the specifications, drawings, standards, and requirements set out in the Contract Data and the Goods Information

Any deviations from the specified requirements must be formally submitted for approval by the Purchaser before delivery.

2.3 Use of *Supplier's* design

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

2.4 Manufacture & fabrication

Not Applicable

2.5 Factory acceptance testing (FAT)

Not Applicable

2.6 Other tests and inspections and commissioning in place of use

All goods are to be tested, and quality checked by the *Supply Manager* engineers upon Delivery. The *Supplier* does not need to witness the test and quality checks.

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2.7 Operating manuals and maintenance schedules

Where applicable; test certificates, material certificate, manuals, General Arrangement (GA) drawing/s, Approved Inspection Authority (AIA) stamp and signature provided as required. All documents must be obtained during or before delivery of goods.

Data capturing forms information must be supplied and must meet an acceptable level

3. Supply Requirements

The following are supplier's requirements:

a) The spares and Components will be supplied to the "goods received" section of the Lethabo main store where they will be received by the material management section. The materials will be delivered with all of the required data books and certificates, where required.

Lethabo Stores Working Times:

Monday – Thursdays: 07h00 – 16h00
Fridays: 07h00 – 12h00

b) Only once the spares have passed the Quality control checks and are booked into the system can payment be affected.

c) The Delivery and Transport Costs (including off-loading items) must be included in the quotation.

The following packaging requirements should be adhered to:

a) The material shall be packaged in such a manner that they can be transported and stored for an extended period of time without resulting in damage to the spares.

b) This includes damage due to moisture ingress, corrosion, vibration from the power station etc.

c) Where lifting gear is utilized to move the goods, the packaging should allow the lifting operation and ensure that the goods are not damaged in any way during the process.

d) It will also not be necessary to open packaging for any lifting or transport operation.

e) Where eyebolts are fitted to move the goods, these eyebolts should be fitted in such a way that they can be easily removed and replaced with the Purchaser's eyebolts, ensuring that the packaging stays intact.

f) 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.

g) Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):

- Order number,
- A short description of the component
- Eskom stock number
- Manufacturing date, where possible

4. Specification of the services to be provided

Refer to Lethabo Power Station scope of work for the supply and delivery of Electrical Power and Distributions on a once-off order to Lethabo Power Station.

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

5.1 Programming constraints

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All Goods shall be delivered in accordance with Clause 30.1 of this Contract, and any delays or changes to the delivery date shall be dealt with in accordance with Clause 16.1 of this Contract.

5.2 Work to be done by the Delivery Date

Not applicable to this contract.

5.3 Marking the goods

The Supplier shall mark all goods clearly and durably in accordance with the Purchaser's requirements and applicable standards.

Each item shall be labelled with at least the following information:

- Purchase Order number
- Supplier's name or identification
- Item description and part number or stock code
- Batch or serial number (where applicable)
- Date of manufacture or packing

The marking shall be legible, resistant to damage, and positioned so as not to impair the function or appearance of the goods.

Any deviations from these marking requirements must be approved in writing by the Purchaser prior to delivery

5.4 Constraints at the delivery place and place of use

The Supplier shall adhere to Eskom speed limit of 40 km/h while driving on site. The preferred delivery times are Monday to Thursday between 07:00-16:00 and Friday between 07:00-12:00. However, for urgent delivery, the Supplier will communicate with the Supply Manager to agree on the time and date of delivery.

The Supplier shall adhere to Eskom Life Saving rules.

5.5 Cooperating with Others

The Supplier cooperates with the Lethabo Power Station stores personnel during Delivery.

The Supplier co-operates with the Purchasers team in ensuring that the goods are delivered in accordance with all requirements.

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

a) The Supplier provides offloading people to assist with offloading at receiving.

NB: The Supplier offloading team names must be part of the valid approved safety file

5.7 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	When the need arises	TBC	Purchaser, Supplier, and Cross functional team members
Overall contract progress and feedback	When the need arises	TBC	Purchaser, Supplier, and Cross functional team members

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

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

5.8 Documentation control

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

The manufacturing data books shall be submitted in hardcopy and soft copy format.

5.9 Health and safety risk management

- a) The Supplier complies with Section 10 of Occupational Health and Safety Act (Act No.85 of 1993) when manufacturing any goods for this Contract.
- b) The Supplier shall comply with Site health and safety requirements for Lethabo Power Station when delivering goods
- c) Site Delivery safety requirements to be adhered to - And can be obtained through the Purchaser's Manager In line with the SHE specification
- d) The Supplier submits safety file for approval before access is granted
- e) The Supplier maintains the safety file validity in line with Site requirements
- f) The mode of transport for Delivery should comply with Site requirement in line with issued SHE specification
- g) Supplier to update their safety file yearly and each time they make changes on their staff or personnel
- h) The Supplier ensures that when changing a team member, the new team gets inducted and all process of safety file approval is adhered to- before gaining access to site

5.10 Environmental constraints and management

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

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

5.11 Quality

Supplier must ensure that product is packaged and transported in such a way that it safe, well stacked and preserved.

To ensure conformance to Quality Management Systems Standards the following standards must be followed:

- ISO 9001:2015 Quality Management System requirements.
- ISO10005 – Quality Management System Guidelines for Quality Plans
- ISO10006 – Quality Management Systems Guidelines for Quality Management in Projects
- ISO10007 – Quality Management Systems Guidelines for

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Configuration Management ISO31000 – Risk Management Principles &

Guideline.

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; Procedure for invoice submission and payment

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

5.13 Contract change management

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

5.14 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.

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

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

Risk and Mitigation Factor

RISK	MITIGATING FACTORS	LEVEL
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		(HIGH/MEDIUM/LOW)
Safety : Non- compliance to all legal requirements.	1.Driver training & competence 2.Strict adherence to the rules and Eskom vehicle specifications 3.Strict adherence to Eskom offloading processes 4.Adherence to vehicle maintenance plans and daily inspections	High
Quality : Quality requirements categorisation	Category 3 - Quality Requirements to be met.	Medium
Any National and/or International Standards that the company is subjected to and the key internal controls that the company put in place to satisfy set standards	240-68099512 Form A: The tenderer must complete and sign this form to acknowledge and accept Eskom Supplier Quality Requirements as per QM 58 Specification and ISO 9001 Standard (category 3) 240-12248652 List of Tender Returnables: comply with stipulated documented information for evaluation purposes (category 3) 240-105658000 – Supplier Quality Management Specifications (QM 58)	Medium
Quality Management Documents Requirements	A fully detailed Quality Control Plan (QCP) for acceptance within three (3) weeks of the Contract Date, which details all the aspects of the quality management system to be applied. It includes the methods that will be utilized to ensure quality assurance, control and improvement of the identified activities as stated in the Scope of Works The service provider shall deliver the procured Steel with the data book. The data book shall consist of the following documents: - Signed off manufacturing quality control plan. - Destructive and Non-Destructive testing reports. - Visual and dimensional report - Heat treatment charts, chemical certificate and Hardness report. All concessions if there is any	Medium
Preservation and transportation Requirements	The service provider is to ensure that all products are preserved in their appropriate manner as described in their specifications or in Eskom's Preservation, Shipping and Transportation procedures as applicable. The service provider ensures that all storage requirements for products are properly implemented to preserve the products against adverse conditions, deterioration, damage, etc. Storage and preservation procedures for the different products must be submitted to the <i>client</i> for review and acceptance. The <i>client</i> may request to inspect the stored products at any given point during the storage period of the product	Medium
Environment	Contractor to be familiarized with	Medium

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	Lethabo waste management procedure. - Contractor to be familiarised with Eskom SHEQ Policy. - Contractor shall report all incidents or risks whilst on the job to the Eskom Project leader who will inform the environmental department - No work to be conducted on site	
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6. Procurement

1. 6.1 SDL&I Commitments: Undertakings by the Supplier

- 1.1 The Supplier shall adhere to the SDL&I Obligations set out below, covering Local Content; procurement/subcontracting from Black Designated Groups, Skills development, and Job Creation.
- 1.2 The Supplier undertakes to achieve and fulfil these SDL&I Obligations during the Contract Period or at an earlier date.

Local Content	Tenderer Proposal
	100%

Procurement from Designated Group	Tenderer Proposal
Black Owned	15%

Number of Jobs to be created	Number of Jobs to be retained

- 1.3 The Supplier shall keep accurate records and provide to Eskom reports on the actual delivery against the above SDL&I obligations on a quarterly basis.
- 1.4 Following the receipt of the report in clause 1.3 above, Eskom shall review the report, request supporting evidence where necessary and issue the supplier with a performance review report.
- 1.5 The supplier shall have one opportunity to request revision of the outcome by submitting new evidence to support its claims.

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- 1.6 The supplier's failure to comply with the above SDL&I obligations constitutes substantial failure on the part of the contractor to comply with his obligations under this contract, therefore a penalty of 1% of the contract value shall be imposed.

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

SUPPLY AND DELIVERY OF ELECTRICAL POWER AND DISTRIBUTIONS ONCE-OFF ORDER TO LETHABO POWER STATION.

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.
